NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

(NASA-CR-147606) RESULTS OF TEST MA22 IN THE NASA/LaRC 31-INCH CFHT ON AN 0.010-SCALE MODEL (32-0) OF THE SPACE SHUTTLE CONFIGURATION 3 TO DETERMINE RCS JET FLOW FIELD INTERACTION. VOLUME 3 (Chrysler

N76-27331
HC $21.25

Unclas
G3/18 41865

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

May, 1976

DMS-DR-2267
NASA CR-147,606
VOLUME 3 OF 4

RESULTS OF TEST MA22 IN THE NASA/LaRC 31-INCH CFHT ON AN 0.010-SCALE MODEL (32-0) OF THE SPACE SHUTTLE CONFIGURATION 3 TO DETERMINE RCS JET FLOW FIELD INTERACTION

by

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Prepared under NASA Contract Number NAS9-13247

by

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Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	LaRC CFHT 118
NASA Series Number:	MA22
Model Number:	32-0
Test Dates:	May 6, 1975 through June 3, 1975
Occupancy Hours:	168

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RESULTS OF TEST MA22 IN THE NASA/LaRC 31-INCH CFHT
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SPACE SHUTTLE CONFIGURATION 3 TO DETERMINE
RCS JET FLOW FIELD INTERACTION

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ABSTRACT

Test MA22 was conducted in the Langley Research Center 31-inch Continuous Flow Hypersonic Wind Tunnel from May 6, 1975 through June 3, 1975. The primary objectives of this test were the following: 1) to study the ability of the wind tunnel to repeat, on a run-to-run basis, data taken for identical configurations to determine if errors in repeatability could have a significant effect on jet interaction data, 2) to determine the effect of model heating on jet interaction, 3) to investigate the effects of elevon and body flap deflections on RCS jet interaction, 4) to determine if the effects from jets fired separately along different axes can be added to equal the effects of the jets fired simultaneously (super position effects), 5) to study multiple jet effects, and 6) to investigate area ratio effects, i.e., the effect on jet interaction measurements of using nozzles with different area ratios in the same location. The model used in the test was a .010-scale model of the Space Shuttle Orbiter Configu-

ABSTRACT (Concluded)

ration 3. The test was conducted at Mach 10.3 and a dynamic pressure of 150 psf. RCS chamber pressure was varied to simulate free flight dynamic pressures of 5, 7.5, 10, and 20 psf.

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INDEX OF DATA FIGURES (Continued)

INDEX OF DATA FIGURES (Continued)

INDEX OF DATA FIGURES (Concluded)

SCHEDULE OF COEFFICIENTS PLOTTED:

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(B) CLM, CN versus ALPHA

(C) CBL, CYN versus BETA

(D) CN, CLM, CAU, CBL, CYN, CY versus TEMP

(E) DLTCN, DLTCLM, DLTCAU, DLTCBL, DLTCYN, DLTCY versus TEMP

(F) DLTCN, DLTCLM, DLTCAU, DLTCBL, DLTCYN, DLTCY versus ALPHA

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NOMENCLATURE
General

SYMBOL	SADSAC SYMBOL	DEFINITION
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m^2, psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m^2, psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3, $slugs/ft^3$

Reference & C.G. Definitions

SYMBOL	SADSAC SYMBOL	DEFINITION
A_b		base area; m^2, ft^2
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
ℓ_{REF} $\bar{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m^2, ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

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OF POOR QUALITY

NOMENCLATURE (Continued)

Body-Axis System

SYMBOL	SADSAC SYMBOL	DEFINITION
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CAU	axial-force coefficient; $\frac{\text{axial force}}{qS}$ (uncorrected)
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$

Stability-Axis System

SYMBOL	SADSAC SYMBOL	DEFINITION
C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
A_e		nozzle exit area, in^2
C_{ℓ_j}		RCS jet rolling moment coefficient, $(T_{\ell_\ell})/(qSb)$
C_{m_j}		RCS jet pitching moment coefficient, $(T_{\ell_m})/(qS\bar{c})$
C_{n_j}		RCS jet yawing moment coefficient, $(T_{\ell_n})/(qSb)$
C_{A_j}		RCS jet axial force coefficient, $(T)/(qS)$
C_{N_j}		RCS jet normal force coefficient, $(T)/(qS)$
C_{Y_j}		RCS jet side force coefficient, $(T)/(qS)$
e		nozzle expansion ratio
h		altitude, feet
k_i		model nozzle thrust calibration factor, lbs/psia
ℓ_ℓ		RCS nozzle rolling moment arm, in
ℓ_m		RCS nozzle pitching moment arm, in
ℓ_n		RCS nozzle yawing moment arm, in
ℓ_{orb}		Orbiter body length, in
LH		left hand side
m_j		RCS jet mass flow rate, lbm/sec
M_j		RCS jet exit Mach number
N_ℓ	N(RM)	RCS roll jet amplification factor, $(\Delta C_\ell)/(C_{\ell_j})$

Symbol	Plot Symbol	Definition
N_m	N(PM)	RCS pitch jet amplification factor, $(\Delta C_m)/(C_{m_j})$
N_n	N(YM)	RCS yaw jet amplification factor, $(\Delta C_n)/(C_{n_j})$
N_A	N(AF)	RCS axial force jet amplification factor, $(\Delta C_{A_u})/(C_{A_j})$
N_N	N(NF)	RCS normal force jet amplification factor, $(\Delta C_N)/(C_{N_j})$
N_Y	N(SF)	RCS side force jet amplification factor, $(\Delta C_Y)/(C_{Y_j})$
P_c	PCRCS	model RCS nozzle plenum chamber pressure, psia
P_j		RCS jet exit pressure, psia
RCS		reaction control system
RH		right hand side
RT		product of RCS nozzle gas constant and temperature, (ft-lb)/lb
T		RCS thrust, lbs
T_c	TCRCS	RCS chamber temperature, °R
U		velocity, ft/sec
U_j		RCS jet velocity, ft/sec
X_o		Orbiter longitudinal station, in
Y_o		Orbiter lateral station, in
Z_o		Orbiter vertical station, in
ΔC_ℓ	DLTCBL	incremental rolling moment coefficient due to RCS jet interaction

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
ΔC_m	DLTCLM	incremental pitching moment coefficient due to RCS jet interaction
ΔC_n	DLTCYN	incremental yawing moment coefficient due to RCS jet interaction
ΔC_N	DLTCN	incremental normal force coefficient due to RCS jet interaction
ΔC_Y	DLTCY	incremental side force coefficient due to RCS jet interaction
ΔC_{A_u}	DLTCAU	incremental axial force coefficient due to RCS jet interaction (uncorrected for base pressure)
γ		jet gas specific heat ratio
Σk_i		sum of model nozzle thrust calibration factors for all nozzles installed on model during a given test run, lbs/psia
Θ		RCS nozzle angle, deg.
T/qA	T/QA	RCS thrust divided by freestream dynamic pressure times unit area
	T/QA-1	one jet RCS thrust divided by freestream dynamic pressure times unit area
ΔN_ℓ	DN(RM)	incremental RCS jet amplification factor - rolling moment
ΔN_m	DN(PM)	incremental RCS jet amplification factor - pitching moment
ΔN_n	DN(YM)	incremental RCS jet amplification factor - yawing moment
ΔN_N	DN(NF)	incremental RCS jet amplification factor - normal force

NOMENCLATURE (Concluded)

Symbol	Plot Symbol	Definition
ΔN_Y	DN(SF)	incremental RCS jet amplification factor - side force
ΔN_A	DN(AF)	incremental RCS jet amplification factor - axial force
σ		one standard deviation from the mean
$\bar{X}$		computed mean
δ_{BF}	BDFLAP	Orbiter body flap surface deflection angle, positive deflection trailing edge down, degrees
δ_e	ELEVON	Orbiter elevon surface deflection angle, positive deflection trailing edge down, degrees
	NO. JET	number of RCS jets firing
	TEMP	wing temperature, degrees Fahrenheit

REMARKS

After being subjected to Mach 10 airflow at a dynamic pressure of 150 psf for a period of time, wind tunnel models tend to heat up to temperatures as high as 500°F. Therefore, in an effort to determine whether or not model heating could affect jet interaction measurements, the model was inserted into the tunnel and data was taken as the model heated up. At each data point the temperature of the model wing was recorded by hand. These temperatures can be found in Table VII. Both RCS jets-on and RCS jets-off data were taken as a function of wing temperature. Little effect was observed.

CONFIGURATIONS INVESTIGATED

Three kinds of model changes were required for this test: 1) body flap, 2) elevons, and 3) non-metric RCS nozzle blocks. Twenty two nozzle blocks were used in this test. Nozzles N43, N44, N47, N48, N49, N50, N51, N52, and N61 were used in tests OA85 and OA105. Nozzles N31, N32, N33, N34, N36, and N37 were used in test LA25. Nozzles N78, N79, N81, N82, N83, N84, and N85 were used in test OA82. Nozzle configurations are summarized in Table IV.

Two body flap configurations, in addition to the zero degree setting, were tested. The body flap deflections tested were 13.75° and -14.25°. Similarly, elevon deflections tested were 10° and -30°.

INSTRUMENTATION

The LaRC 0.75-inch six-component 2019A internal balance was used for this test program.

No model base or balance chamber pressures were measured during the test. The RCS supply pressure was set and monitored at the plenum chamber between the left hand and right hand RCS nozzle blocks.

TEST FACILITY DESCRIPTION

The Mach 10 nozzle of the Langley Continuous Flow Hypersonic Tunnel is designed to operate at stagnation pressures of 15 to 150 atmospheres at temperatures up to 1960° R. Air is preheated electrically by passing through a multi-tube heater. The nozzle has a 31-inch square test section which incorporates a moveable second minimum. Continuous operation is achieved by passing the air through a series of compressors. Additional information on this facility is given in NASA TM X-1130 entitled, "Characteristics of Major Active Wind Tunnels at the Langley Research Center", by William T. Schaefer, Jr.

DATA REDUCTION

Aerodynamic forces and moments were reduced to coefficient form using the following reference dimensions:

Reference Area:

$$S = 0.269\ ft^2 (38.736\ in^2),\ \text{model scale}$$
$$= 2690.0\ ft^2,\ \text{full scale}$$

Reference Lengths:

$$\bar{c} = 4.748\ \text{in. model scale}$$
$$= 474.8\ \text{in. full scale}$$
$$b = 9.367\ \text{in. model scale}$$
$$= 936.7\ \text{in. full scale}$$

The moments were reduced about a moment reference center located at:

Orbiter station 10.767 at $Y_o = 0.00$ and $Z_o = 3.75$ model scale
$X_o = 1076.7$, $Y_o = 0.0$, and $Z_o = 375.0$ full scale

Standard LRC data reduction techniques were employed for reducing the data to coefficient form.

Reduced coefficient data were used to determine RCS jet interaction amplication factors. Incremental coefficient data (ΔC_m, ΔC_ℓ, ΔC_n, ΔC_y, and ΔC_{A_u}) were computed to provide effects of RCS jets. Amplification factors were computed for each plane of action:

$$N_m = \frac{\Delta C_m}{C_{m_j}} = \frac{\Delta C_m}{\left(\frac{T\ell_m}{qS\bar{c}}\right)} = \frac{qS\bar{c}}{P_c \ell_m \Sigma k_i} \Delta C_m$$

$$N_\ell = \frac{\Delta C_\ell}{C_{\ell_j}} = \frac{\Delta C_\ell}{\left(\frac{T\ell_\ell}{qSb}\right)} = \frac{qSb}{P_c \ell_\ell \Sigma k_i} \Delta C_\ell$$

$$N_n = \frac{\Delta C_n}{C_{n_j}} = \frac{\Delta C_n}{\left(\frac{T\ell_n}{qSb}\right)} = \frac{qSb}{P_c \ell_n \Sigma k_i} \Delta C_n$$

$$N_N = \frac{\Delta C_N}{C_{N_j}} = \frac{\Delta C_N}{\left(\frac{T}{qS}\right)} = \frac{qS}{P_c \Sigma k_i} \Delta C_N$$

$$N_Y = \frac{\Delta C_Y}{C_{Y_j}} = \frac{\Delta C_Y}{\left(\frac{T}{qS}\right)} = \frac{qS}{P_c \Sigma k_i} \Delta C_Y$$

$$N_A = \frac{\Delta C_{A_u}}{C_{A_j}} = \frac{\Delta C_{A_u}}{\left(\frac{T}{qS}\right)} = \frac{qS}{P_c \Sigma k_i} \Delta C_{A_u}$$

where

ℓ_m = RCS pitch jet moment arm
= 4.523 in model scale

ℓ_ℓ = RCS roll jet moment arm
= 1.110 in model scale

ℓ_n = RCS yaw jet moment arm
= 4.588 in model scale

Σk_i = sum of k_i's for all nozzles firing in the same thrust plane, k_i given in Table VI

$S, \bar{c}, b$ = as given above

The resulting factors (N's) represent amplification of Orbiter aerodynamic forces caused by RCS jet interaction with the Orbiter flow field. They are normalized by RCS jet thrusts to allow easy use in control analysis.

The incremental RCS jet amplification factors due to a control surface deflection of amount "a" were computed as follows:

DATA REDUCTION (Concluded)

$$\Delta N_m = N_{m_{\delta=a}} - N_{m_{\delta=o}}$$

$$\Delta N_\ell = N_{\ell_{\delta=a}} - N_{\ell_{\delta=o}}$$

$$\Delta N_n = N_{n_{\delta=a}} - N_{n_{\delta=o}}$$

$$\Delta N_N = N_{N_{\delta=a}} - N_{N_{\delta=o}}$$

$$\Delta N_Y = N_{Y_{\delta=a}} - N_{Y_{\delta=o}}$$

$$\Delta N_A = N_{A_{\delta=a}} - N_{A_{\delta=o}}$$

These factors (ΔN's) represent the incremental effect of control surface deflections on RCS jet interaction.

The incremental coefficient data do not include thrust forces since the model nozzles were non-metric. Increments and amplification factors were computed for each force and moment plane using data from each nozzle that was tested. This provides both direct (e.g. ΔC_m due to pitch jet) and cross-coupling (e.g. ΔC_m due to yaw jet) effects. Resulting data are presented in the data figures.

REFERENCES

1. DMS-DR-2195 (NASA-CR-134,442) "Results of Test OA82 in the NASA/LRC 31-Inch CFHT on an 0.010-Scale Model (32-O) of the Space Shuttle Configuration 3 to Determine RCS Jet Flow Field Interaction and to Investigate RT Real Gas Effects" by D. E. Thornton, January 1975.

TEST : MA22			DATE : July, 1975

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq.ft.)	STAGNATION TEMPERATURE (degrees Fahrenheit)
10.3	1.0×10^6	150.0	1350

BALANCE UTILIZED: LaRC 2019A

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	70 lbs	0.35 lbs	
SF	25 lbs	0.125 lbs	
AF	15 lbs	0.075 lbs	
PM	70 in-lbs	0.35 in-lbs	
RM	15 in-lbs	0.075 in-lbs	
YM	25 in-lbs	0.125 in-lbs	

COMMENTS:

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Jets	T/QA^{-1}	δe	δ_{BF}	NO. OF RUNS	MACH NUMBERS 10.3
* RJA003	Ø1N49	D	0°	2	95.0	0°	0°		3
RJA403					0.0				403
RJA005					0.0				5
RJA006					95.0				6
RJA011					95.0				11
RJA411					0.0				411
RJA012	Ø1N31	A			0.0				12
13					47.5				13
14					0.0				14
15					95.0				15
16					190.0				16
17	Ø1N34				47.5				17
18					95.0				18
19					127.7				19
20	Ø1N47				47.5				20
21					95.0				21
22					127.7				22
23	Ø1N43				47.5				23

TEST RUN NUMBERS

1	7	13	19	25	31	37	43	49	55	61	67	75 76
* BETA	ICAU	ICN	ICLM	ICBL	ICYN	ICY	ICL	ICD	T/QA	MACH	ALPHA	.
										IDVAR (1)	IDVAR (2)	NDV

COEFFICIENTS

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

* "5" DATASETS CONTAIN Q(PSF), PCRCS, T/QA, L/D as dependent variables.

$Ø1 = B_{19}C_7E_{23}F_5M_6R_5V_7W_{107}$

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δ_e	δ_{BF}						NO. OF RUNS	MACH NUMBERS 10.3 (TEST RUN NUMBERS)			
RJA024	ØIN43	A	0°	2	0.0	0°	0°							24			
25					0.0									25			
26					95.0									26			
27					127.7									27			
28	ØIN79N78				47.5									28			
29					95.0									29			
30					190.0									30			
31					0.0	-30°								31			
32					47.5									32			
33					95.0									33			
34					190.0									34			
35					0.0	+10°								35			
36					47.5									36			
37					95.0									37			
38					190.0									38			
39	ØIN78			1	190.0									39			
40	ØIN85			2	190.0									40			
41					0.0		-14.25										

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δe	δBF					NO. OF RUNS	MACH NUMBERS 10.3			
RJA042	ØIN85	A	0°	2	190.0	+10°	-14.25						42			
43	ØIN78			1									43			
44	ØIN79N78			2									44			
45					0.0		+13.75						45			
46					190.0								46			
47	ØIN78			1									47			
48	ØIN85			2	0.0								48			
49					190.0								49			
50					0.0		-14.25						50			
51					47.5								51			
52	ØIN78			1									52			
53	ØIN79N78			2									53			
54	ØIN78			1	0.0	-30°	0°						54			
55					190.0								55			
56	ØIN85			2									56			
57	ØIN32				0.0	0°							57			
58					47.5								58			
59					95.0								59			

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δ_e	δ_{BF}	NO. OF RUNS	MACH NUMBERS 10.3 (TEST RUN NUMBERS)
RJA060	ØIN32	A	0°	2	190.0	0°	0°		60
61	ØIN36				47.5				61
62					95.0				62
63					127.7				63
64	ØIN48				47.5				64
65					95.0				65
66					127.7				66
67	ØIN44				47.5				67
68					95.0				68
69					127.7				69
70	ØIN78			1	47.5				70
71					95.0				71
72					190.0				72
73	ØIN85			2	47.5				73
74					190.0				74
75					95.0				75
76	ØIN33				0.0				76
77					47.5				77

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, α = -8° to 10°; $\Delta\alpha$ = 2° & α = 15° to 35°; $\Delta\alpha$ = 5°

D, α = -10°, 0, 10°, 20° & 35°.

TEST: CFHT 118 (MA-22)	DATA SET/RUN NUMBER COLLATION SUMMARY	DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δe	δBF						NO. OF RUNS	MACH NUMBERS 10.3			
RJA078	ØlN33	A	0°	2	95.0	0°	0°							78			
79					190.0									79			
80	ØlN37				47.5									80			
81					95.0									81			
82					127.7									82			
83	ØlN61				47.5									83			
84					95.0									84			
85					127.7									85			
86	ØlN84				0.0									86			
87					47.5									87			
88					95.0									88			
89					127.7									89			
90		D	0°		0.0									90			
91			-3°											91			
92			+3°											92			
93			0°		47.5									93			
94			-3°											94			
95			+3°											95			

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, $\alpha = -8^{\circ}$ to 10°; $\Delta\alpha = 2^{\circ}$ & $\alpha = 15^{\circ}$ to 35°; $\Delta\alpha = 5^{\circ}$

D, $\alpha = -10^{\circ}, 0, 10^{\circ}, 20^{\circ}$ & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δe	δBF						NO. OF RUNS	MACH NUMBERS 10.3				TEST RUN NUMBERS
RJA096	Ø1N84	D	0°	2	95.0	0°	0°							96				
097			-3°											97				
098			+3°											98				
099			0°		127.7									99				
100			-3°											100				
101			+3°											101				
102	Ø1N85N50		0°		0.0									102				
103			-3°											103				
104			+3°											104				
105			0°		47.5									105				
106			-3°											106				
107			+3°											107				
108			0°		95.0									108				
109			-3°											109				
110			+3°											110				
111			0°		127.7									111				
112			-3°											112				
113			+3°											113				

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ$, 0, 10°, 20° & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δ_e	δ_{BF}	NO. OF RUNS	MACH NUMBERS 10.3
RJA114	ØIN85N50	A	0°	2	0.0	0°	0°		114
115					47.5				115
116					95.0				116
117					127.7				117
118	ØIN85				47.5				118
119			-3°						119
120			+3°						120
121			0°		95.0				121
122			-3°						122
123			+3°						123
124			0°		190.0				124
125			-3°						125
126			+3°						126
127	ØIN51		0°	4	47.5				127
128			-3°						128
129			+3°						129
130			0°		95.0				130
131			-3°						131

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 79

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, α = -8° to 10°; $\Delta\alpha$ = 2° & α = 15° to 35°; $\Delta\alpha$ = 5°

D, α = -10°, 0, 10°, 20° & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Jets	T/QA^{-1}	δ_e	δ_{BF}	NO. OF RUNS	MACH NUMBERS 10.3
RJA132	ØIN51	D	+3°	4	95.0	0°	0°		132
133			0°		127.7				133
134			-3°						134
135			+3°						135
136			0°		0.0				136
137			-3°						137
138			+3°						138
139		A	0°		47.5				139
140					95.0				140
141					127.7				141
142					0.0				142
143	ØIN78	D		1					143
144			-3°						144
145			+3°						145
146			0°		47.5				146
147			-3°						147
148			+3°						148
149			0°		95.0				149

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA^{-1}	δ_e	δ_{BF}						NO. OF RUNS	MACH NUMBERS 10.3			
RJA150	ØIN78	D	-3°	1	95.0	0°	0°							150			
151			+3°											151			
152			0°		190.0									152			
153			-3°											153			
154			+3°											154			
155	ØIN52		0°	2	47.5									155			
156			-3°											156			
157			+3°											157			
158			0°		95.0									158			
159			-3°											159			
160			+3°											160			
161			0°		190.0									161			
162			-3°											162			
163			+3°											163			
164		A	0°		47.5									164			
165					95.0									165			
166					190.0									166			
167	ØIN82			3	47.5									157			

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, α = -8° to 10°; $\Delta\alpha$ = 2° & α = 15° to 35°; $\Delta\alpha$ = 5°

D, α = -10°, 0, 10°, 20° & 35°.

TEST : CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	le|s	T/QA-1	δ_e	δ_{BF}					NO. OF RUNS	MACH NUMBERS 10.3			
RJA168	Ø1N82	A	0°	3	95.0	0°	0°						168			
169					190.0								169			
170					0.0								170			
171		D			190.0								171			
172			-3°										172			
173			+3°										173			
174			0°		0.0								174			
175			-3°										175			
176			+3°										176			
177			0°										177			
178			-3°										178			
179			+3°										179			
180			0°		47.5								180			
181			-3°										181			
182			+3°										182			
183			0°		95.0								183			
184			-3°										184			
185			+3°										185			

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

IDVAR (1) IDVAR (2) NDV

COEFFICIENTS

α OR β SCHEDULES

A, α = -8° to 10°; $\Delta\alpha$ = 2° & α = 15° to 35°; $\Delta\alpha$ = 5°

D, α = -10°, 0, 10°, 20° & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES: Jets	T/QA-1	δe	δEF						NO. OF RUNS	MACH NUMBERS 10.3			
RJA186	Ø1N79	D	0°	1	47.5	0°	0°							186			
187			-3°											187			
188			+3°											188			
189			0°		95.0									189			
190			-3°											190			
191			+3°											191			
192			0°		190.0									192			
193			-3°											193			
194			+3°											194			
195		A	0°		0.0									195			
196					47.5									196			
197					95.0									197			
198				1	190.0									198			
199	Ø1N49			2	47.5									199			
200					95.0									200			
201					190.0									201			
202					0.0									202			
203		D			47.5									203			

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δe	δBF	NO. OF RUNS	MACH NUMBERS 10.3
RJA204	ØIN49	D	-3°	2	47.5	0°	0°		204
205			+3°						205
206			0°		95.0				206
207			-3°						207
208			+3°						208
209			0°		190.0				209
210			-3°						210
211			+3°						211
212	ØIN83		0°	3	47.5				212
213			-3°						213
214			+3°						214
215			0°		0.0				215
216			-3°						216
217			+3°						217
218			0°						218
219			-3°						219
220			+3°						220
221			0°		95.0				221

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, α = -8° to 10°; $\Delta\alpha$ = 2° & α = 15° to 35°; $\Delta\alpha$ = 5°

D. α = -10°, 0, 10°, 20° & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA^{-1}	δ_e	δ_{BF}	NO. OF RUNS	MACH NUMBERS 10.3
RJA222	ØIN83	D	-3°	3	95.0	0°	0°		222
223			$+3^\circ$						223
224			0°		190.0				224
225			-3°						225
226			$+3^\circ$						226
227		A	0°		0.0				227
228					190.0				228
229					95.0				229
230					47.5				230
231	ØIN79N78	D		2					231
232			-3°						232
233			$+3^\circ$						233
234			0°		95.0				234
235			-3°						235
236			$+3^\circ$						236
237			0°		190.0				237
238			-3°						238
239			$+3^\circ$						239

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δe	δ_{BF}	NO. OF RUNS	MACH NUMBERS 10 (TEST RUN NUMBERS)
RJA240	Ø1N79N78	A	0°	2	0.0	0°	13.75		240
241					47.5				241
242					95.0				242
243					190.0				243
244	Ø1N79			1	0.0				244
245					47.5				245
246					95.0				246
247					190.0				247
248	Ø1N85N50			2	47.5				248
249					95.0				249
250					127.7				250
251	Ø1N49				47.5				251
252					95.0				252
253					190.0				253
254	Ø1N83			3	47.5				254
255					95.0				255
256					190.0				256
257					0.0		-14.25		257

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NCV

α OR β SCHEDULES

A, α = -8° to 10°; $\Delta\alpha$ = 2° & α = 15° to 35°; $\Delta\alpha$ = 5°

D, α = -10°, 0, 10°, 20° & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δ_e	δ_{BF}					NO. OF RUNS	MACH NUMBERS 10.3			
RJA258	Ø1N83	A	0°	3	47.5	0°	-14.25						258			
259					0.0								259			
260					95.0								260			
261					190.0								261			
262	Ø1N49			2	47.5								262			
263					95.0								263			
264					190.0								264			
265	Ø1N85N50				47.5								265			
266					95.0								266			
267					127.7								267			
268	Ø1N79			1	47.5								268			
269					95.0								269			
270					190.0								270			
271	Ø1N79N78			2	47.5								271			
272					95.0								272			
273					190.0								273			
274					0.0								274			
275					0.0	-30°										

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δe	δBF					NO. OF RUNS	MACH NUMBERS 10.3			
RJA276	Ø1N79N78	A	0°	2	47.5	-30°	-14.25						276			
277					0.0								277			
278					95.0								278			
279					190.0								279			
280	Ø1N79			1	47.5								280			
281					95.0								281			
282					190.0								282			
283	ØN85N50			2	47.5								283			
284					95.0								284			
285					127.7								285			
286	Ø1N49			2	47.5								286			
287					95.0								287			
288					190.0								288			
289					0.0								289			
290	Ø1N83			3	0.0								290			
291					47.5								291			
292					95.0								292			
293					190.0								293			

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

IDVAR (1) IDVAR (2) NDV

COEFFICIENTS

α OR β SCHEDULES

A. $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D. $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA^{-1}	δ_e	δ_{BF}	NO. OF RUNS	MACH NUMBERS 10.3
RJA294	ØIN83	A	0°	3	0.0	-30°	0°		294
295					47.5				295
296					95.0				296
297					190.0				297
298	ØIN49			2	47.5				298
299					95.0				299
300					190.0				300
301	ØIN79			1	47.5				301
302					95.0				302
303					190.0				303
304	ØIN84			2	47.5				304
305					95.0				305
306					127.7				306
307					0.0				307
308	ØIN85			2	0.0				308
309					47.5				309
310					95.0				310
311	ØIN85N50			2	47.5				311

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, α = -8° to 10°; $\Delta\alpha$ = 2° & α = 15° to 35°; $\Delta\alpha$ = 5°

D, α = -10°, 0, 10°, 20° & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δe	δBF	NO. OF RUNS	MACH NUMBERS 10.3
RJA312	Ø1N85N50	A	0°	2	95.0	-30°	0°		312
313					127.7				313
314	Ø1N51			4	47.5				314
315					95.0				315
316					127.7				316
317					0.0				317
318					0.0	+10°			318
319					47.5				319
320					95.0				320
321					127.7				321
322	Ø1N85			2	47.5				322
323					95.0				323
324					0.0				324
325	Ø1N85N50			2	0.0				325
326					47.5				326
327					95.0				327
328					127.7				328
329	Ø1N84				47.5				329

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 7.

IDVAR (1) IDVAR (2) NDV

COEFFICIENTS

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

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TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δe	δBF					NO. OF RUNS	MACH NUMBERS 10.3			
RJA330	ØIN84	A	0°	2	95.0	+10°	0°						330			
331					127.7								331			
332	ØIN79			1	47.5								332			
333					95.0								333			
334					190.0								334			
335	ØIN49			2	47.5								335			
336					95.0								336			
337					190.0								337			
338	ØIN83			3	47.5								338			
339					95.0								339			
340					190.0								340			
341					0.0								341			
342					0.0		13.75						342			
343					47.5								343			
344					0.0								344			
345					95.0								345			
346					190.0								346			
347	ØIN49			2	47.5								347			

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta\alpha = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

TEST: CFHT 118 (MA-22)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 7/11/75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	Jets	T/QA-1	δe	δBF	NO. OF RUNS	MACH NUMBERS 10.3
RJA348	ØIN49	A	0°	2	95.0	+10°	13.75		348
349					190.0				349
350	ØIN85N50				47.5				350
351					95.0				351
352					127.7				352
353	ØIN79			1	47.5				353
354					95.0				354
355					190.0				355
356	ØIN79N78			2	47.5				356
357				2	95.0				357
* RJA007	ØIN49 Wing Temp	0°	0°		95.0	0°	0°		7
407					0.0				407
008		-10°			95.0				8
408					0.0				408
009		20°			95.0				9
409					0.0				409
010		35°			95.0				10
410					0.0				410

TEST RUN NUMBERS

1	7	13	19	25	31	37	43	49	55	61	67	75 76
* ALPHA	CAM	CN	CLM	CBL	CYN	CY	CL	CD	T/QA	MACH	TEMP	
					COEFFICIENTS					IDVAR (1)	IDVAR (2)	NDV

α OR β SCHEDULES

A, $\alpha = -8^\circ$ to 10°; $\Delta\alpha = 2^\circ$ & $\alpha = 15^\circ$ to 35°; $\Delta X = 5^\circ$

D, $\alpha = -10^\circ, 0, 10^\circ, 20^\circ$ & 35°.

*"S" DATA SETS CONTAIN BETA, Q(PSF), PCRCS, T/QA, L/D AS DEPENDENT VARIABLES.

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TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - B_{19}

GENERAL DESCRIPTION : Fuselage, Configuration 3, per Rockwell Lines VL70-000139B

NOTE: Identical to B_{17} except forebody.

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-000139B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length , In.	1290.3	12.903
Max Width, In.	267.6	2.676
Max Depth , In.	244.5	2.445
Fineness Ratio	4.82175	4.82175
Area - Ft_2		
Max. Cross-Sectional	386.67	0.0387
Planform		
Wetted		
Base		

TABLE III (CONT'D)

MODEL COMPONENT : BODY FLAP - F_5

GENERAL DESCRIPTION : Configuration 3 per Rockwell Lines VL70-000139.

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-000139

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length, In.	84.70	0.847
Max Width, In.	267.6	2.676
Max Depth		
Fineness Ratio		
Area - Ft^3		
Max. Cross-Sectional		
Planform	142.5	0.0143
Wetted		
Base	38.0958	0.0038

TABLE III (CONT'D)

MODEL COMPONENT : CANOPY - C_7

GENERAL DESCRIPTION : Configuration 3 per Rockwell Lines VL70-000139

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-000139

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X_o=433 to X_o=578), In.	145.0	1.450
Max Width		
Max Depth		
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III (CONT'D)

MODEL COMPONENT: ELEVON - E_{23}

GENERAL DESCRIPTION: Configuration 3 per W_{107} Rockwell Lines Drawing VL70-000139B. Data for (1) of (2) sides.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000139B

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft^2	205.52	0.0206
Span (equivalent), In.	353.34	3.533
Inb'd equivalent chord, In.	114.78	1.148
Outb'd equivalent chord, In.	55.00	0.550
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.208	0.208
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	0.00	0.00
Tailing Edge	- 10.24	-10.24
Hingeline	0.00	0.00
Area Moment (Normal to hinge line) - Ft^3 (Product of Area and $\bar{c}$)	1548.07	0.00155

TABLE III (CONT'D)

MODEL COMPONENT: MPS NOZZLES - N_{39}

GENERAL DESCRIPTION: Configuration 3A MPS nozzles.

MODEL SCALE: 0.010

DRAWING NUMBER:

DIMENSIONS:

		FULL SCALE	MODEL SCALE
MACH NO.			
Length - In.			
Gimbal Point to Exit Plane			
Throat to Exit Plane			
Diameter - In.			
Exit		94.000	0.940
Throat			
Inlet			
Area - ft^2			
Exit		48.193	0.00482
Throat			
Gimbal Point (Station) - In.			
Upper Nozzle			
X			
Y	NOT USED		
Z			
Lower Nozzles			
X		1468.2	14.682
Y		± 53.0	± 0.530
Z		342.7	3.427
Null Position - Deg.			
Upper Nozzle			
Pitch			
Yaw	NOT USED		
Lower Nozzle			
Pitch			
Yaw			

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N31

GENERAL DESCRIPTION: RCS nozzle providing left-hand pitch-down control.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	
Cant angle - deg.	
Aft	12
Outboard	20
Diameter - In.	
Exit	.0990
Throat	.0921
Area - In.^{2}	
Exit	.007698
Throat	.006662
Area ratio	1.15
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N32

GENERAL DESCRIPTION: RCS nozzle providing right-hand pitch-up control.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	.0990
Throat	.0921
Area - In.^{2}	
Exit	.007698
Throat	.006662
Area ratio	1.15
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N33

GENERAL DESCRIPTION: RCS nozzle to provide left-hand yaw control.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	.0990
Throat	.0921
Area - In.^{2}	
Exit	.007698
Throat	.006662
Area ratio	1.15
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N34

GENERAL DESCRIPTION: RCS nozzle to provide left-hand pitch-down control.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	
Cant angle - deg.	
Aft	12
Outboard	20
Diameter - In.	
Exit	.0878
Throat	.0520
Area - $In.^2$	
Exit	.006055
Throat	.002124
Area ratio	2.85
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N36

GENERAL DESCRIPTION: RCS nozzle to provide left-hand pitch-up control

MODEL SCALE: .010

DRAWING NO.:

DIMENSION:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	.0878
Throat	.0520
Area - $In.^2$	
Exit	.006055
Throat	.002124
Area ratio	2.85
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N37

GENERAL DESCRIPTION: RCS nozzle to provide left-hand yaw control.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	.0878
Throat	.0520
Area - In.^{2}	
Exit	.006055
Throat	.002124
Area ratio	2.85
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N43

GENERAL DESCRIPTION: RCS nozzle to provide left-hand pitch-down control to simulate entry.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	5
Cant angle - deg.	
Aft	12
Outboard	20
Diameter - In.	
Exit	.129
Throat	.0465
Area - In.^{2}	
Exit	.013070
Throat	.001698
Area ratio	7.70
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N44

GENERAL DESCRIPTION: RCS nozzle to provide right-hand pitch-up control to simulate entry.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	5
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	.129
Throat	.0465
Area - In.^{2}	
Exit	.013070
Throat	.001698
Area ratio	7.7
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N47

GENERAL DESCRIPTION: RCS nozzle to provide left-hand pitch-down control to simulate entry.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	12
Outboard	20
Diameter - In.	
Exit	.117
Throat	.0465
Area - In.^{2}	
Exit	.010751
Throat	.001698
Area ratio	6.33
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N48

GENERAL DESCRIPTION: RCS nozzle to provide right-hand pitch-up control to simulate entry.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	.117
Throat	.0465
Area - In.^{2}	
Exit	.010751
Throat	.001698
Area ratio	6.33
No. of nozzles	2

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{49}

GENERAL DESCRIPTION: RCS Nozzle providing left-hand pitch-down control to simulate return to launch site (RTLS)

MODEL SCALE: 0.010

DRAWING NO.: SS-A01160-19

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant Angle - deg.	
Aft	12
Outboard	20
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - In.^{2}	
Exit	0.015614
Throat	0.003525
Area Ratio	4.430
No. of nozzles	2

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{50}

GENERAL DESCRIPTION: RCS nozzle providing righthand pitch-down control to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DRAWING NO.: SS-A01160-20

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	12
Outboard	20
Diameter - In.	0.141
Exit	0.151
Throat	0.0670
Area - In.^{2}	
Exit	0.015614
Throat	0.003525
Area ratio	4.430
No. of nozzles	2

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{51}

GENERAL DESCRIPTION: RCS nozzle providing left-hand yaw control to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DRAWING NO.: SS-A01160-11

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - Deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - $In.^2$	
Exit	0.015614
Throat	0.003525
Area ratio	4.430
No. of nozzles	4

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{52}

GENERAL DESCRIPTION: RCS nozzle providing right-hand pitch-up control to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DRAWING NO.: SS-A01160-12

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - In.^{2}	
Exit	0.015614
Throat	0.003525
Area ratio	4.430
No. of nozzles	2

TABLE III. (CONT'D)

MODEL COMPONENT: NOZZLE - N61

GENERAL DESCRIPTION: RCS nozzle to provide left-hand yaw control to simulate entry.

MODEL SCALE: .010

DRAWING NO.:

DIMENSIONS:

	MODEL SCALE
Flight dynamic pressure simulation - PSF	5
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	.129
Throat	.0465
Area - In.^{2}	
Exit	.013070
Throat	.001698
Area ratio	7.70
No. of nozzles	2

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{78}

GENERAL DESCRIPTION: RCS nozzle providing right-hand up-firing control to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DRAWING NO.: SS-A01160

DIMENSIONS:	MODEL SCALE:
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - In.^{2}	
Exit	0.015614
Throat	0.003525
Area ratio	4.430
No. of nozzles	1

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N79

GENERAL DESCRIPTION: RCS nozzle providing left-hand pitch-down control to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DRAWING NO.:

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	12
Outboard	20
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - $In.^2$	
Exit	0.015615
Throat	0.003525
Area ratio	4.430
No. of nozzles	1

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{81}

GENERAL DESCRIPTION: RCS nozzle providing left-hand pitch-up control to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DRAWING NO.:

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - Deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - $In.^2$	
Exit	0.015614
Throat	0.003525
Area ratio	4.430
No. of nozzles	2

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{82}

MODEL DESCRIPTION: RCS nozzle providing right-hand pith-up control to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - In.^{2}	
Exit	0.015614
Throat	0.003525
Area ratio	4.430
No. of nozzles	3

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{83}

GENERAL DESCRIPTION: RCS nozzle providing left-hand pitch-down control to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DRAWING NO.:

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	12
Outboard	20
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - $In.^2$	
Exit	0.015614
Throat	0.003525
Area ratio	4.430
No. of nozzles	3

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{84}

GENERAL DESCRIPTION: RCS nozzle providing right-hand pitch-up control to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DRAWING NO.:

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - $In.^2$	
Exit	0.015614
Throat	0.003525
Area ratio	4.430
No. of nozzles	2

TABLE III (CONT'D)

MODEL COMPONENT: NOZZLE - N_{85}

GENERAL DESCRIPTION: RCS nozzle providing left-hand side-firing to simulate return to launch site (RTLS).

MODEL SCALE: 0.010

DIMENSIONS:	MODEL SCALE
Flight dynamic pressure simulation - PSF	20
Cant angle - deg.	
Aft	0
Outboard	0
Diameter - In.	
Exit	0.141
Throat	0.0670
Area - In.^{2}	
Exit	0.015614
Throat	0.003525
Area ratio	4.430
No. of nozzles	2

TABLE III (CONT'D)

MODEL COMPONENT : OMS POD - M_6

GENERAL DESCRIPTION : Basic configuration 3A OMS pods with non-metric RCS engine housing and nozzles. Same geometry as M_4.

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-000139B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length	346.0	3.460
Max Width	108.0	1.080
Max Depth	113.0	1.130
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		
Station of aft end of RCS nozzle block	1560	15.60

TABLE III (CONT'D)

MODEL COMPONENT: RUDDER - R_5

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder)

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000146B, -000095

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft^2	100.15	0.0100
Span (equivalent), In.	201.00	2.010
Inb'd equivalent chord, In.	91.585	0.916
Outb'd equivalent chord, In.	50.833	0.508
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge		
Tailing Edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Product of Area & $\bar{c}$) (~~Normal to hinge line~~) Ft^3	610.92	0.000610
Mean Aerodynamic Chord, In.	73.2	0.732

TABLE III (CONT'D)

MODEL COMPONENT: VERTICAL - V_7

GENERAL DESCRIPTION: Centerline vertical tail, doublewedge airfoil with rounded leading edge.

NOTE: Same as V_5, but with manipulator housing removed.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000139

DIMENSIONS:

	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft^2		
Planform	425.92	0.0426
Span (Theo) - In.	315.72	3.157
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees.		
Leading Edge	45.00	45.000
Trailing Edge	26.249	26.249
0.25 Element Line	41.130	41.130
Chords:		
Root (Theo) WP	268.50	2.685
Tip (Theo) WP	108.47	1.085
MAC	199.81	1.998
Fus. Sta. of .25 MAC	1463.50	14.635
W.P. of .25 MAC	635.522	6.355
B.L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.920	14.920
Leading Edge Radius	2.0	0.020
Void Area	13.17	0.0013
Blanketed Area	0.00	0.00

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*REV. 11/9/74

TABLE III. - MODEL DIMENSIONAL DATA - Concluded.

MODEL COMPONENT: WING-W_{107}

GENERAL DESCRIPTION: Configuration 3 per Rockwell Lines VL70-000139B

NOTE: Same as W_{107}, except cuff, airfoil and incidence angle.

TEST NO.

DWG. NO. VL70-000139B

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2		
Planform	2690.00	26.900
Span (Theo In.	936.68	9.367
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	+3.000	+ 3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.24	-10.24
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.O.O.	689.24	6.892
Tip, (Theo) B.P.	137.85	1.379
MAC	474.81	4.748
Fus. Sta. of .25 MAC	1136.89	11.369
(Z_o)* W.P. of .25 MAC	290.857	2.909
(Y_o)* B.L. of .25 MAC	182.13	1.821
EXPOSED DATA		
Area (Theo) Ft^2	1752.29	17.523
Span, (Theo) In. BP108	720.68	7.207
Aspect Ratio	2.058	2.058
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.40	5.624
Tip 1.00 $\frac{b}{2}$	137.85	1.379
MAC	393.03	3.930
Fus. Sta. of .25 MAC	1185.31	11.853
*W.P. of .25 MAC	293.653	2.937
B.L. of .25 MAC	251.76	2.518
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ =	0.100	0.100
Tip $\frac{b}{2}$ =	0.120	0.120
Data for (1) of (2) Sides		
Leading Edge Cuff Planform Area Ft^2	118.333	1.183
Leading Edge Intersects Fus M. L. @ Sta	500.00	5.000
Leading Edge Intersects Wing @ Sta	1083.4	10.834

TABLE IV. - SUMMARY OF NOZZLE NOMENCLATURE

Nozzle	Throat Dia.	Exit Dia.	Lip Angle	Type	No. of Jets	Cant
N31	0.0921	0.0990	5°	LH down firing	2	20°OUTBD,12°AFT
N32	0.0921	0.0990	5°	RH up firing	2	None
N33	0.0921	0.0990	5°	LH side firing	2	None
N34	0.0520	0.0878	9°	LH down firing	2	20°OUTBD,12°AFT
N36	0.0520	0.0878	9°	RH up firing	2	None
N37	0.0520	0.0878	9°	LH side firing	2	None
N43	0.0465	0.129	31°45'	LH down firing	2	20°OUTBD,12°AFT
N44	0.0465	0.129	31°45'	RH up firing	2	None
N47	0.0465	0.117	34°30'	LH down firing	2	20°OUTBD,12°AFT
N48	0.0465	0.117	34°30'	RH up firing	2	None
N49	0.0670	0.1413	34°15'	LH down firing	2	20°OUTBD,12°AFT
N50	0.0670	0.1413	34°15'	RH down firing	2	20°OUTBD,12°AFT
N51	0.0670	0.1413	34°15'	LH side firing	4	None
N52	0.0670	0.1413	34°15'	RH up firing	2	None
N61	0.0465	0.129	31°45'	LH side firing	2	None
N78	0.0670	0.1413	34°15'	RH up firing	1	None

TABLE IV. - Concluded

Nozzle	Throat Dia.	Exit Dia.	Lip Angle	Type	No. of Jets	Cant
N79	0.0670	0.1413	34°15'	LH down firing	1	20°OUTBD,12°AFT
N81	0.0670	0.1413	34°15'	LH up firing	2	None
N82	0.0670	0.1413	34°15'	RH up firing	3	None
N83	0.0670	0.1413	34°15'	LH down firing	3	20°OUTBD,12°AFT
N84	0.0670	0.1413	34°15'	Combination-RH up firing & side firing	2 up 2 side	None
N85	0.0670	0.1413	34°15'	LH side firing	2	None

TABLE V. - SIMULATION PARAMETERS

q_∞ = 20 PSF RTLS abort separation simulation

A. Free Stream Conditions

		Free Flight	Wind Tunnel
Dynamic Pressure	q	20 psf	150 psf
Mach number	M	7	10.3
*Reynolds No.	RN/L	1.23×10^6	1×10^6
Altitude	h	200,000ft	--

B. RCS Jet Characteristics

		Prototype	Model
Chamber Pressure	P_c	150 psia	140 psi
Chamber Temp.	T_c	5450 °R	520 °R
Specific Heat Ratio	γ	1.232	1.4
Expansion Ratio	e	20	4.792
Nozzle Angle	Θ	9°	34°15'
Exit Area	A_e	72.382 in^2	0.01567 in^2
Exit Mach No.	M_j	3.93	3.13
Exit Pressure	P_j	0.643 psi	3.136 psi
Mass Flow Rate	m_j	3.287 lbm/sec	0.01067 lbm/sec
Momentum	$M_j U_j$	903.46 lbF	0.675 lbs.
Thrust	T	950 lbF	.712 lbs.

C. Jet to Free Stream Parameters (Sref = 1 ft^2)

		Full Scale Free Flight	Simulation
Thrust Ratio	$\frac{T}{q\ Sref}$	47.5	47.5 (Matched)
Mass Flow Ratio	$\frac{m_j}{\rho\ U\ Sref}$	26.4	50.6
Momentum Ratio	$\frac{M_j\ U_j}{q\ Sref}$	45.17	45 (Matched)
Pressure Ratio	$\frac{P_j}{P}$	224	224 (Matched)
Plume Shape		Boundary up to Impact station	(Roughly Matched)

* Reynolds Number based on Orbiter length ℓ_{orb} = 107.5 ft.

TABLE VI. - THRUST COEFFICIENT FACTORS

Jet	Gas	$k_j = T/P_c$ lbs/psia
N31	Air	0.00692
N32	Air	0.00738
N33	Air	0.00792
N34	Air	0.00266
N36	Air	0.00261
N37	Air	0.00300
N43	Air	0.00250
N44	Air	0.00245
N47	Air	0.00237
N48	Air	0.00237
N49	Air	0.00920
N50	Air	0.00824
N51	Air	0.01620
N52	Air	0.00920
N61	Air	0.00221
N78	Air	0.00450
N79	Air	0.00460
N81	Air	0.00900
N82	Air	0.01356
N83	Air	0.01356
N84	Air	0.00886
N85	Air	0.00904

TABLE VII. - WING TEMPERATURES *

Data Point	α = 0	α = -10	α = 20	α = 35	Jet
1	221	295	181	189	ON
2	290	326	208	219	OFF
3	308	344	235	246	ON
4	327	362	264	273	OFF
5	342	375	289	291	ON
6	356	388	313	314	OFF
7	368	398	329	333	ON
8	378	408	343	353	OFF
9	386	417	359	369	ON
10	396	425	374	386	OFF
11	404	434	387	406	ON
12	412	443	397	417	OFF
13	418	450	405	429	ON
14	425	459	414	442	OFF
15	432	465	423	451	ON
16	438	472	431	463	OFF

TABLE VII. - Concluded.

Data Point	α = 0	α = -10	α = 20	α = 35	Jet
17	444	480	439	471	ON
18	450	488	446	479	OFF
19	454	495	451	489	ON
20	460	501	457	497	OFF
21	464		462	504	ON
22	469		467		OFF
23	473				ON
24	478				OFF

* degrees Fahrenheit

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

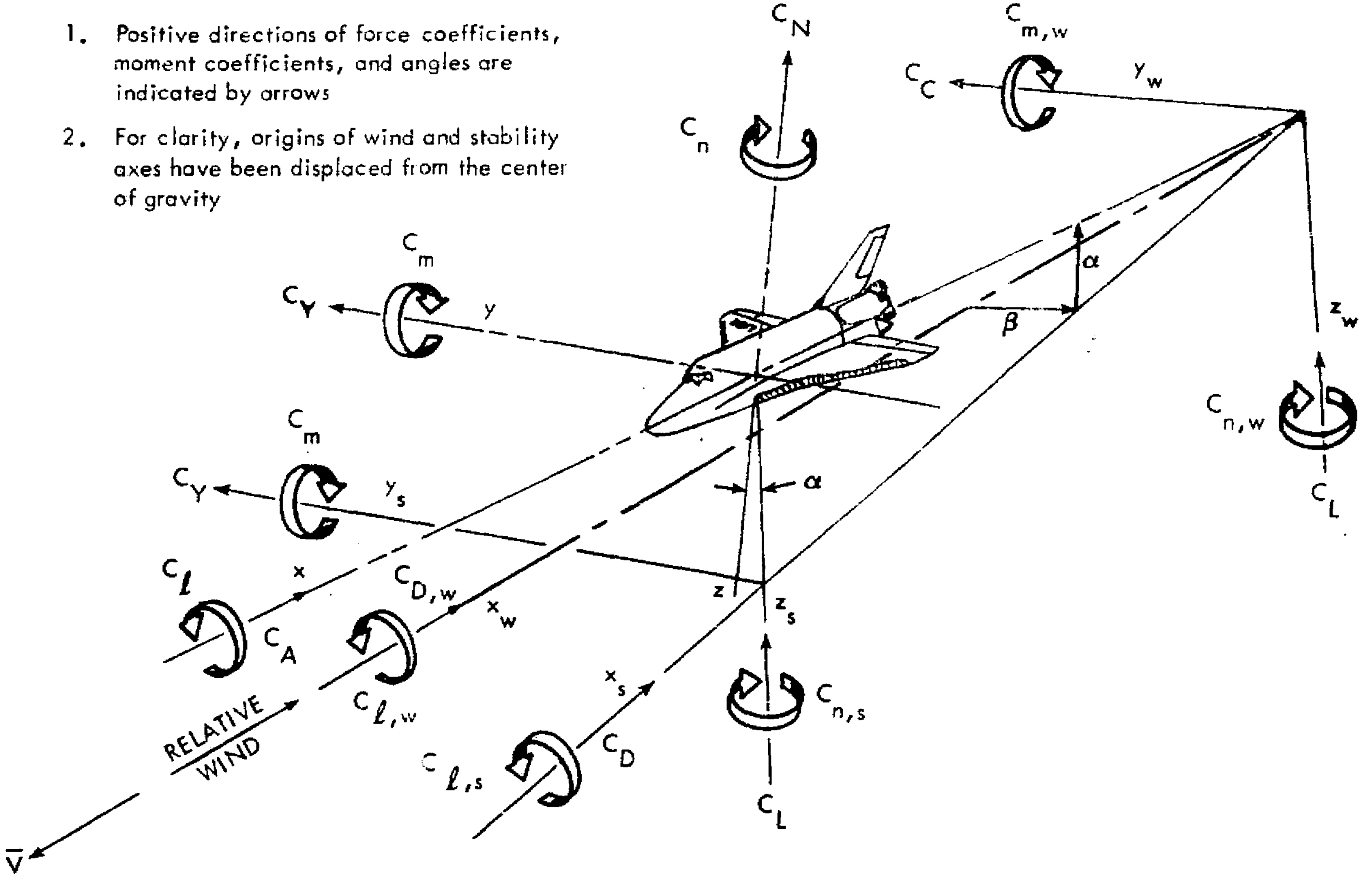
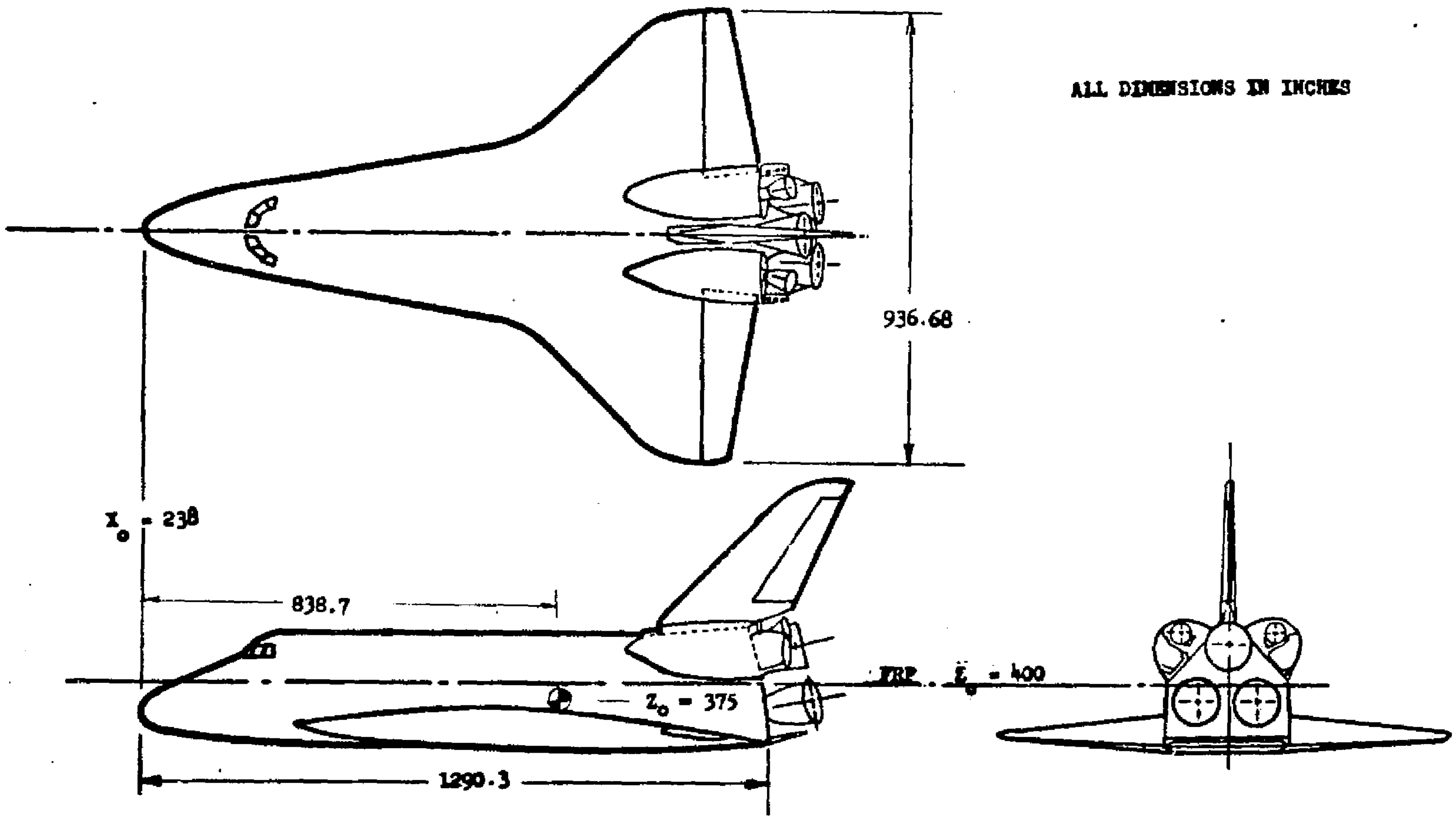
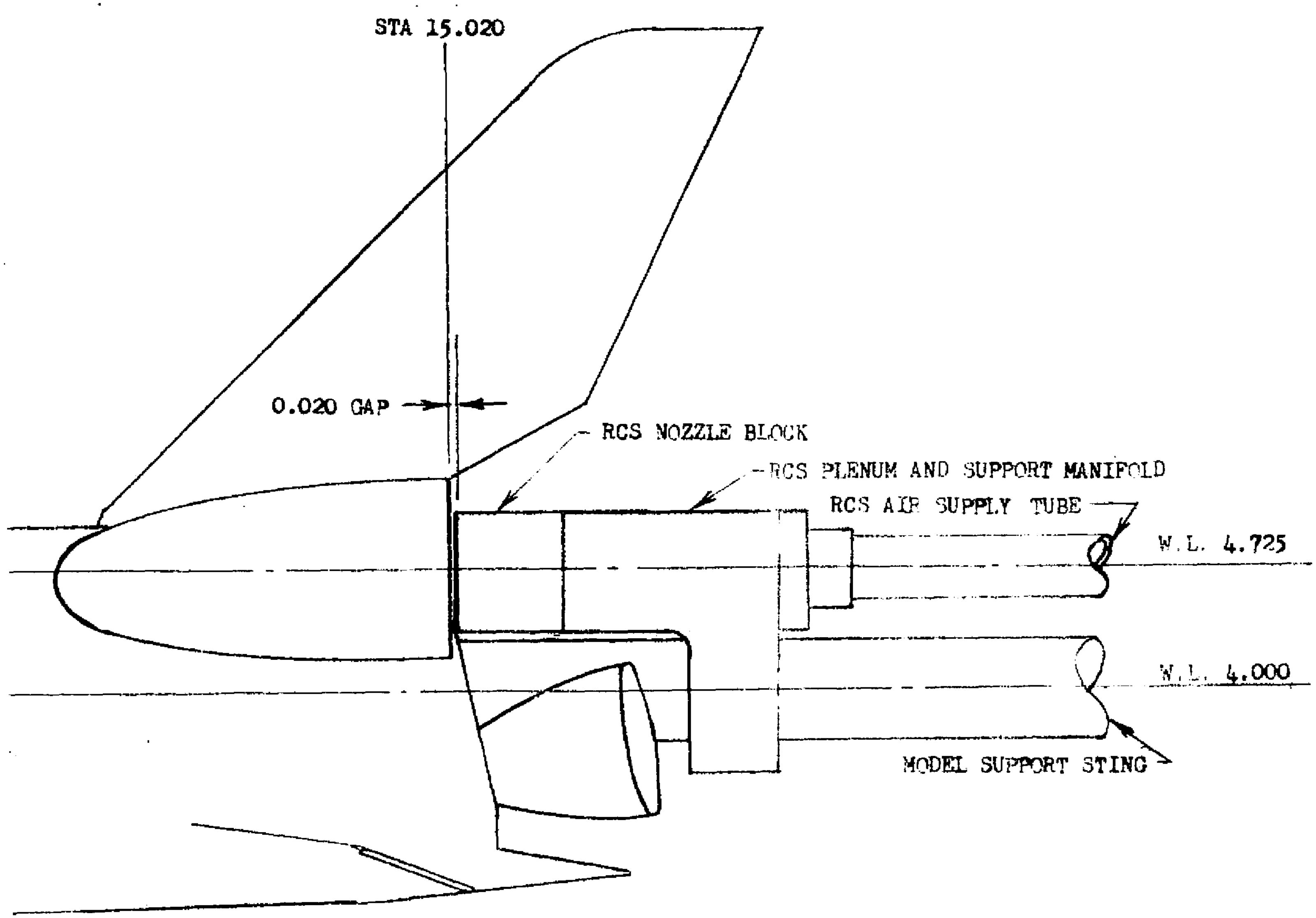


Figure 1. - Axis systems.



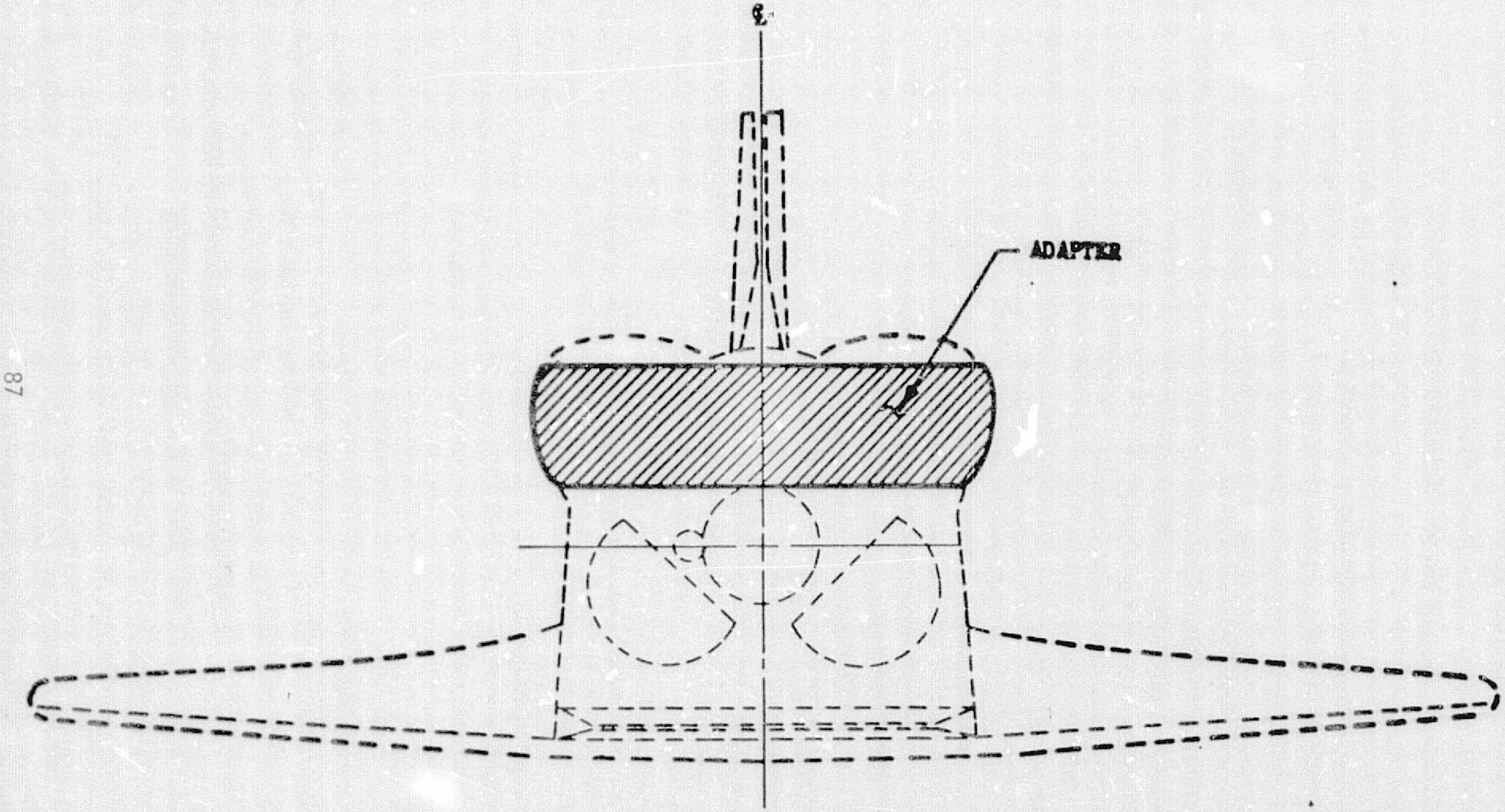
a. Orbiter Configuration

Figure 2. - Model sketches.



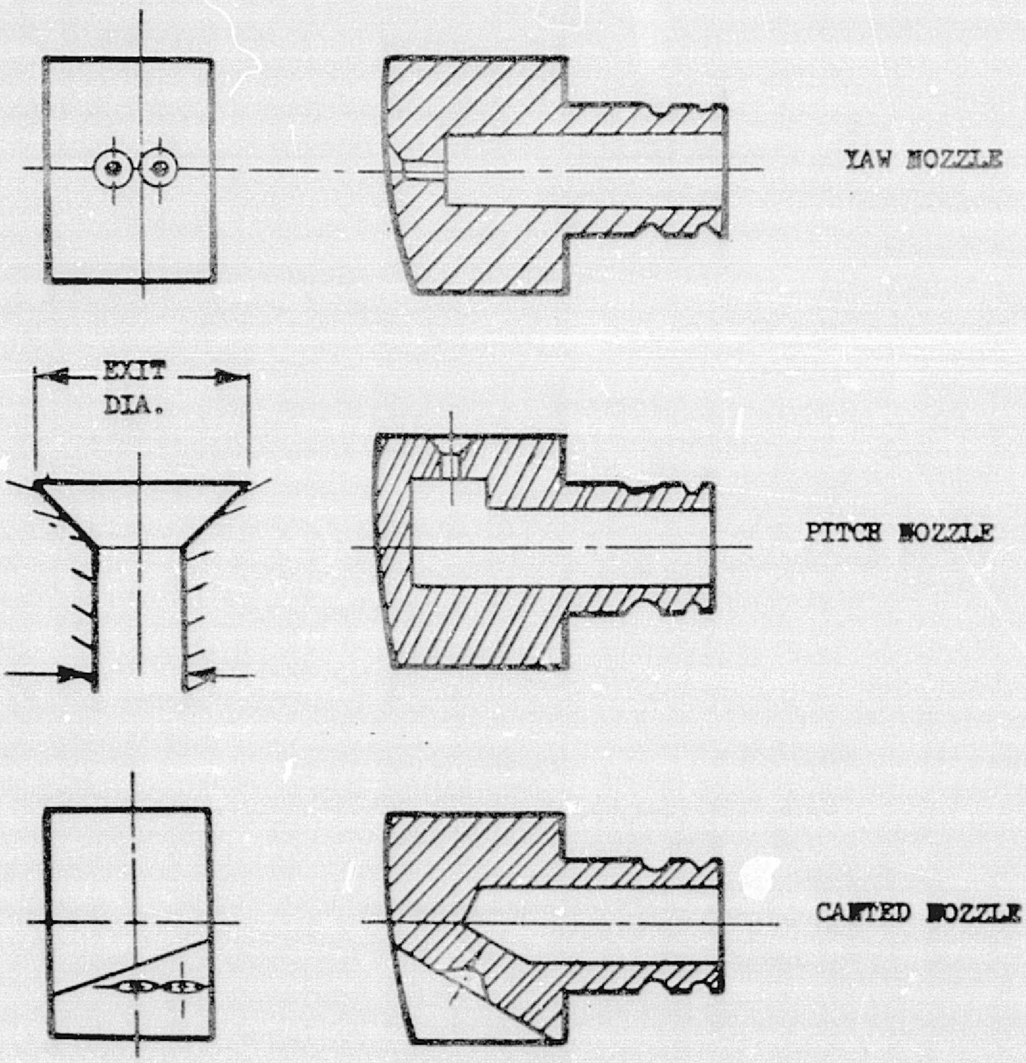
b. RCS Plenum Nozzle Block Installation

Figure 2. - Continued.



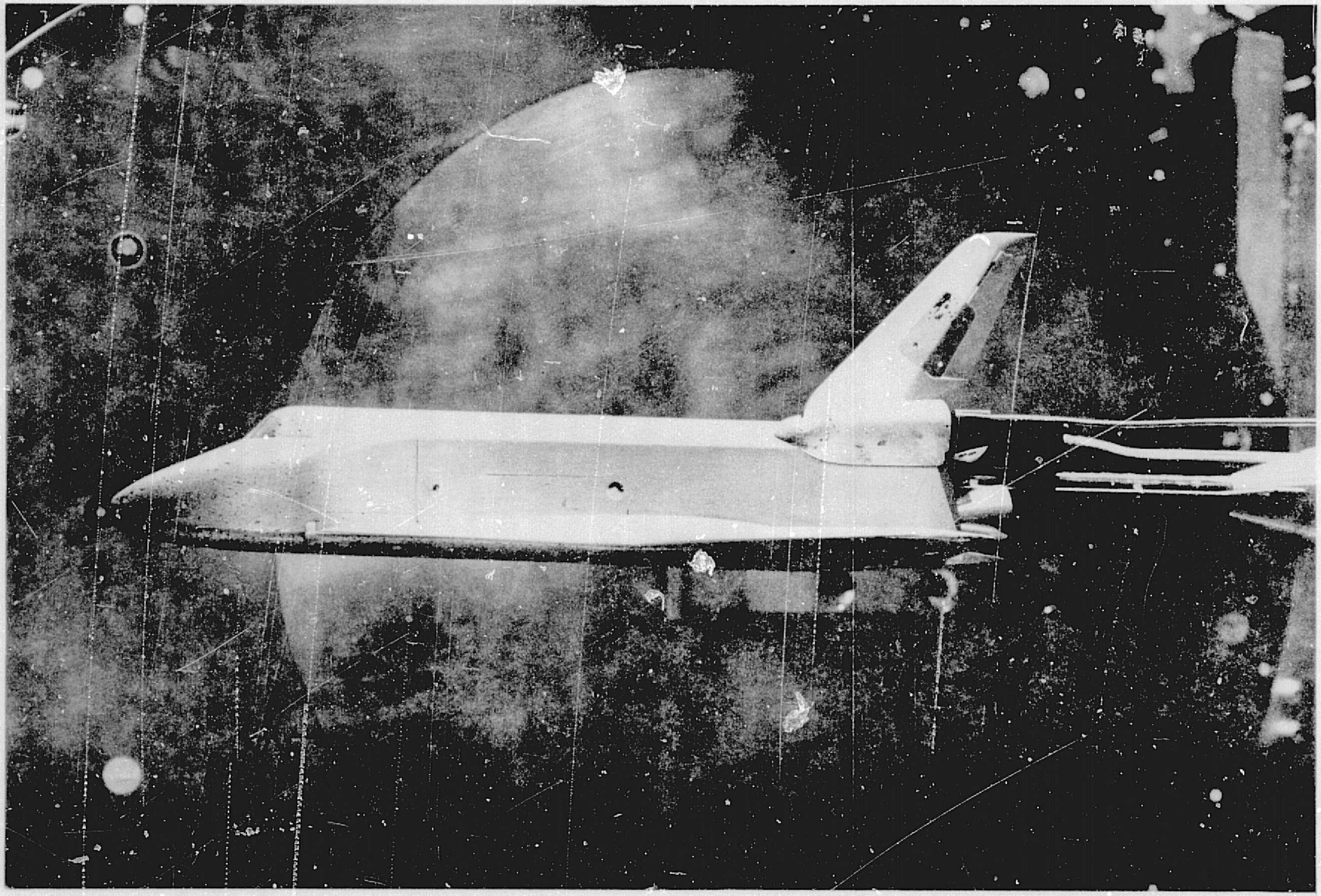
c. RCS Nozzle Adapter

Figure 2.- Continued.



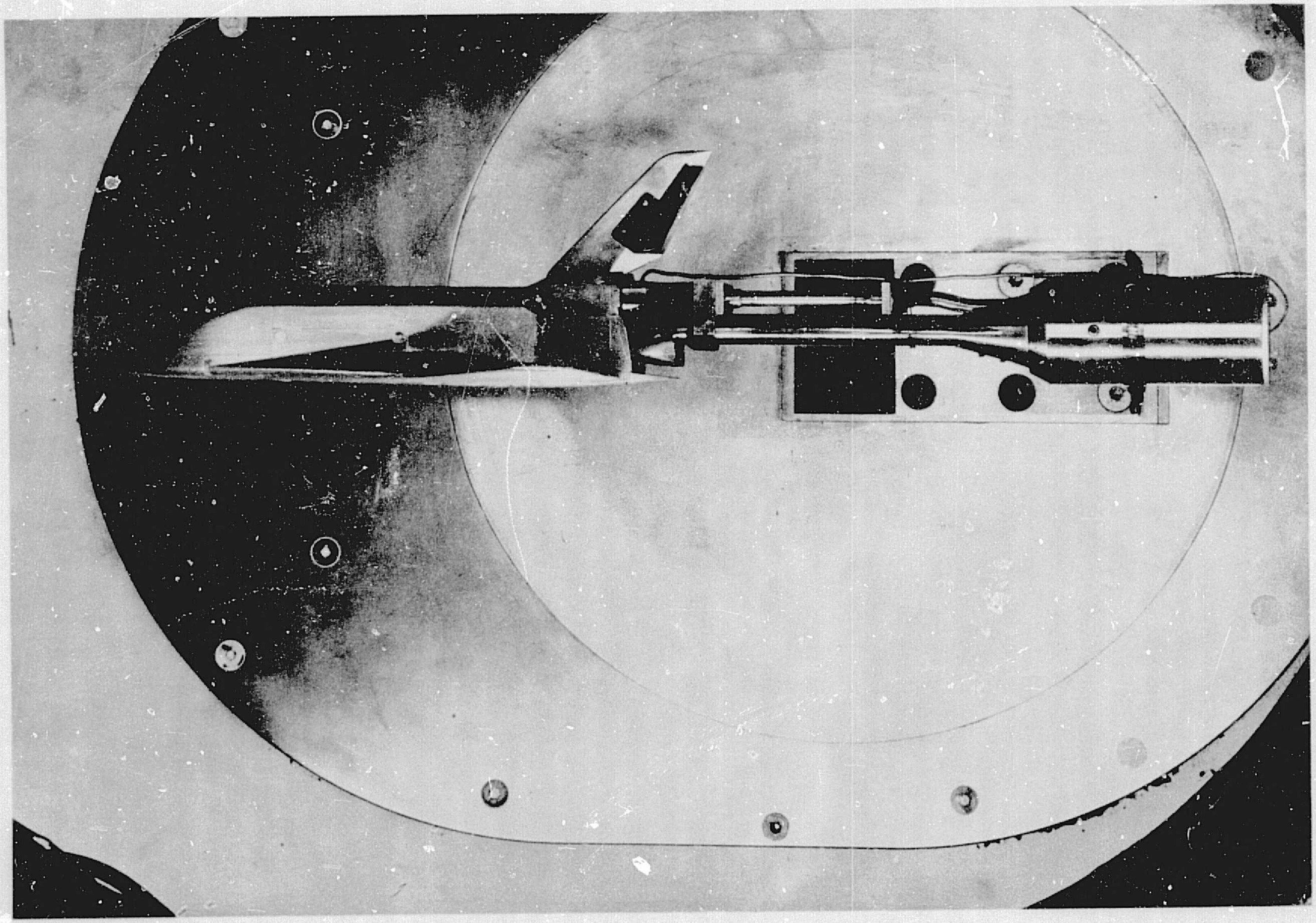
d. Model Nozzle Block Configurations

Figure 2. - Concluded.



a. Orbiter Installation Side View

Figure 3. - Model photographs.



b. Side View Of Nozzle Assembly Installed In Tunnel

Figure 3. - Concluded.

DATA FIGURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

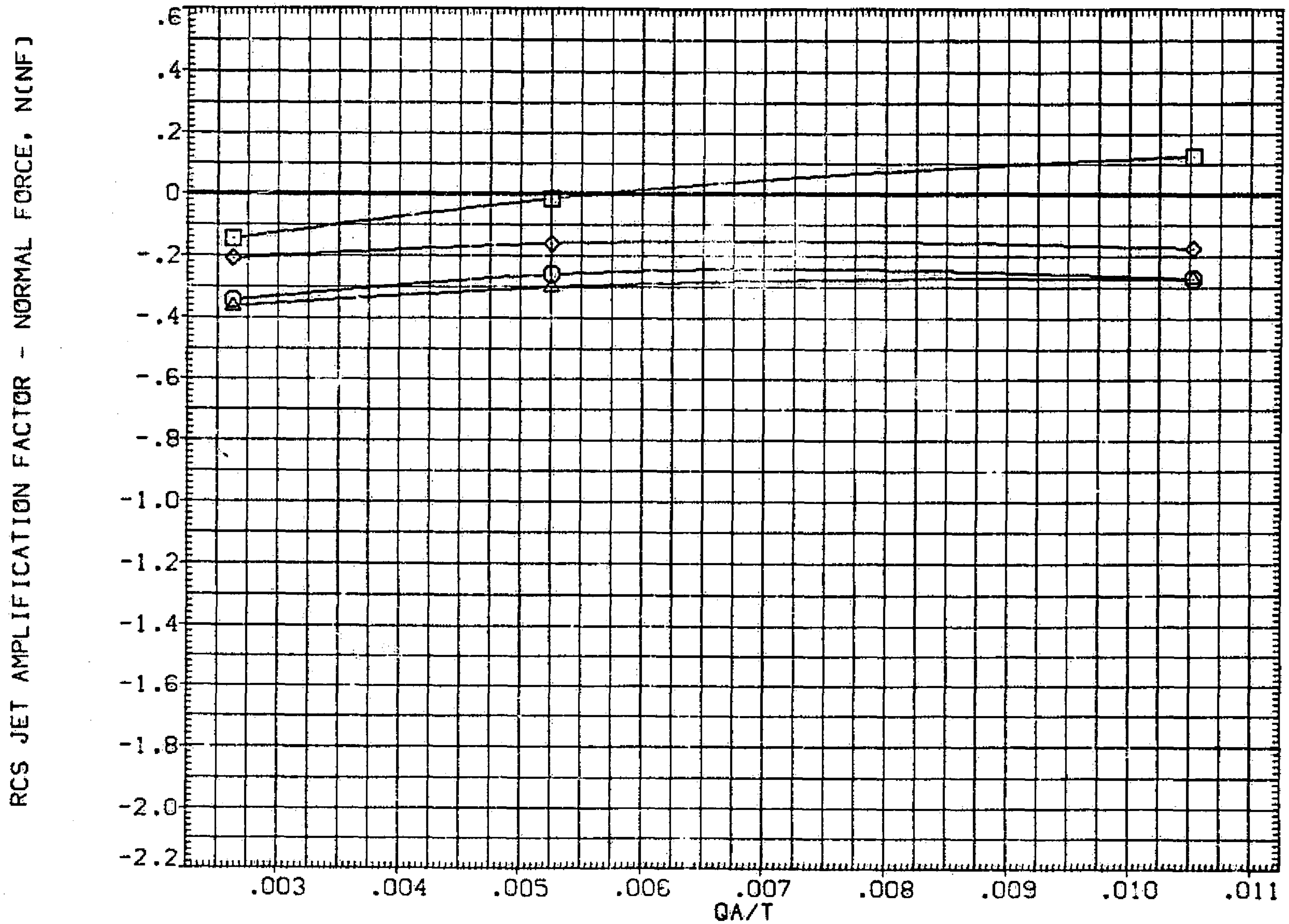


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

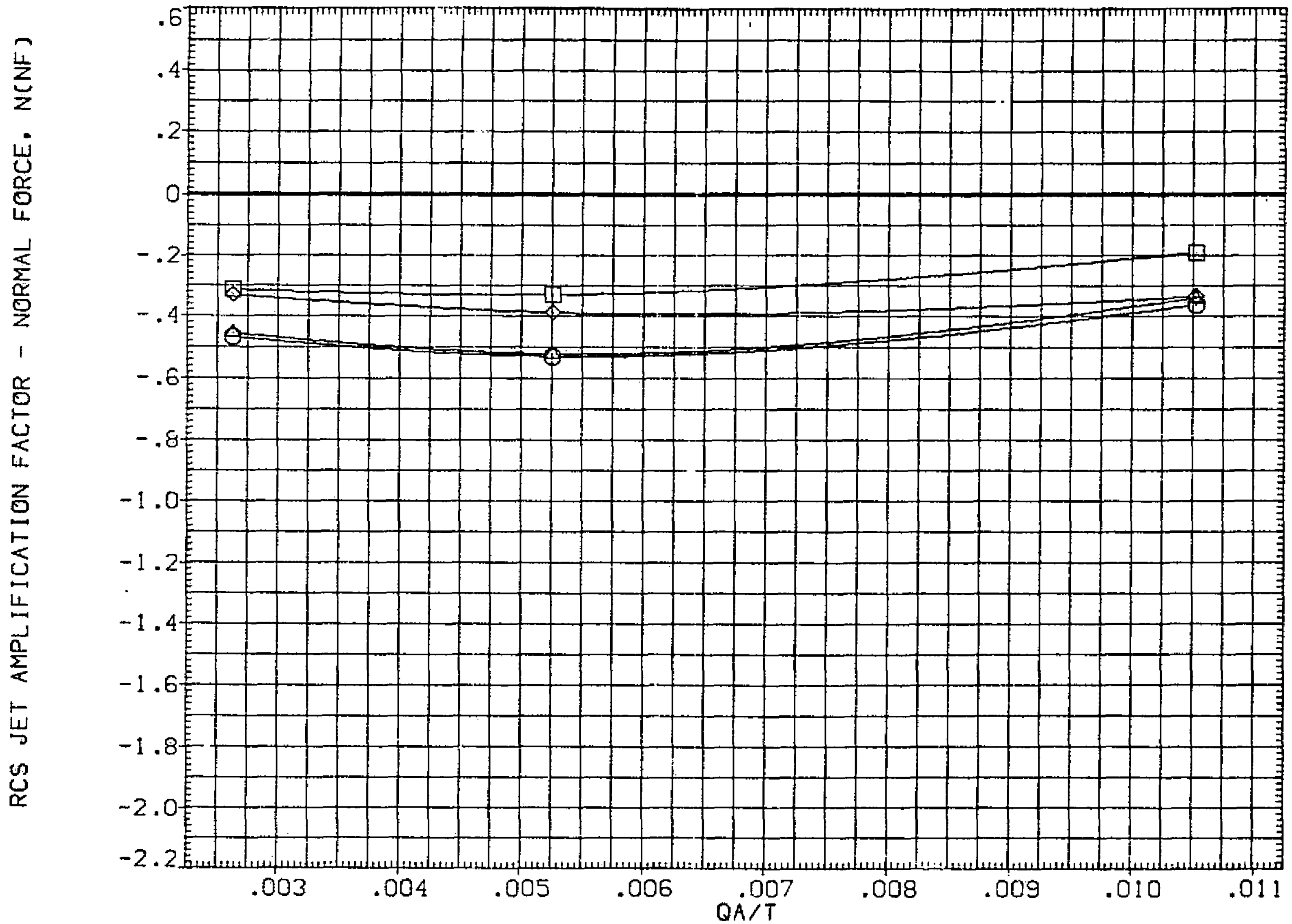


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

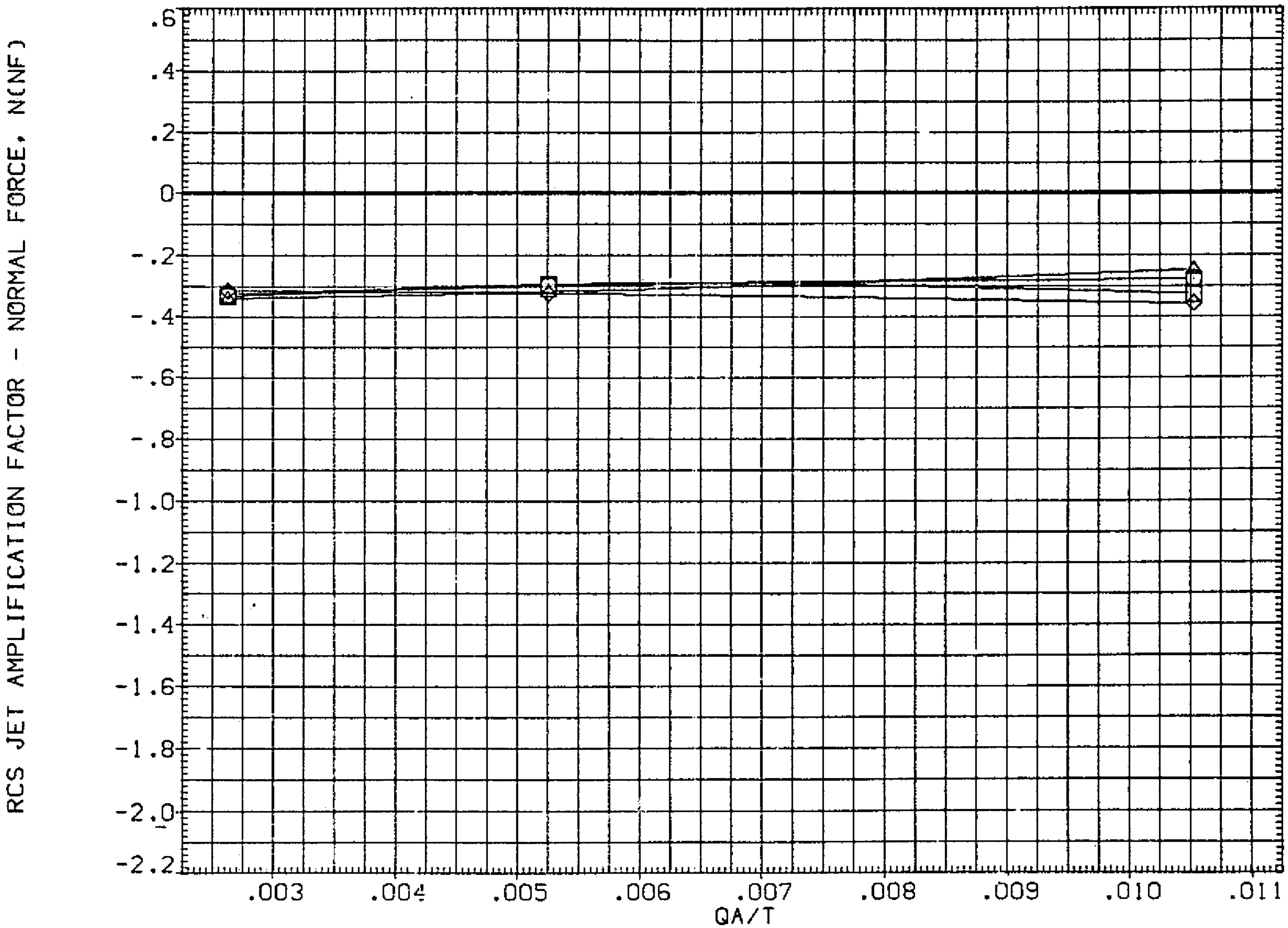


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NOJET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

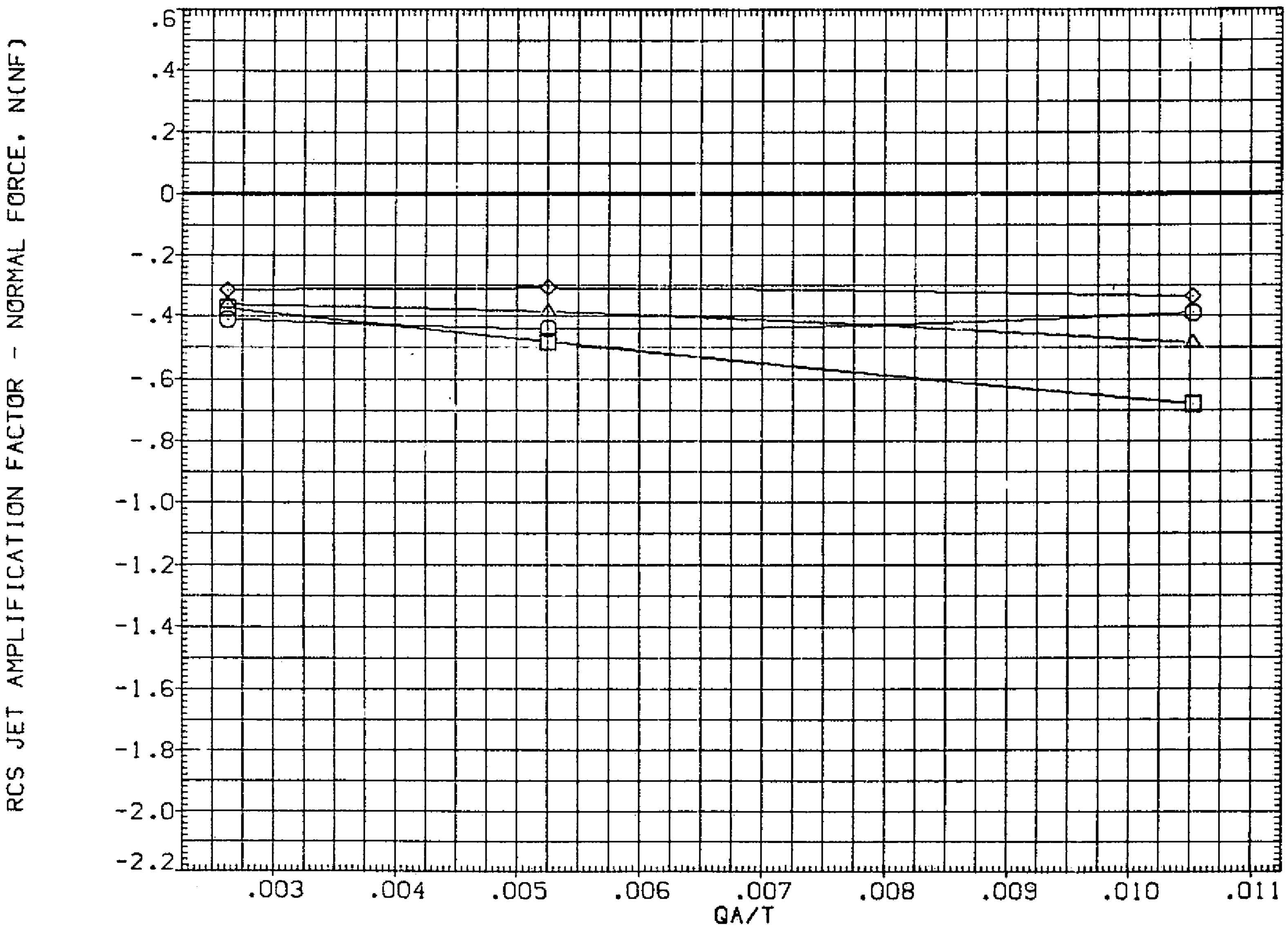


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

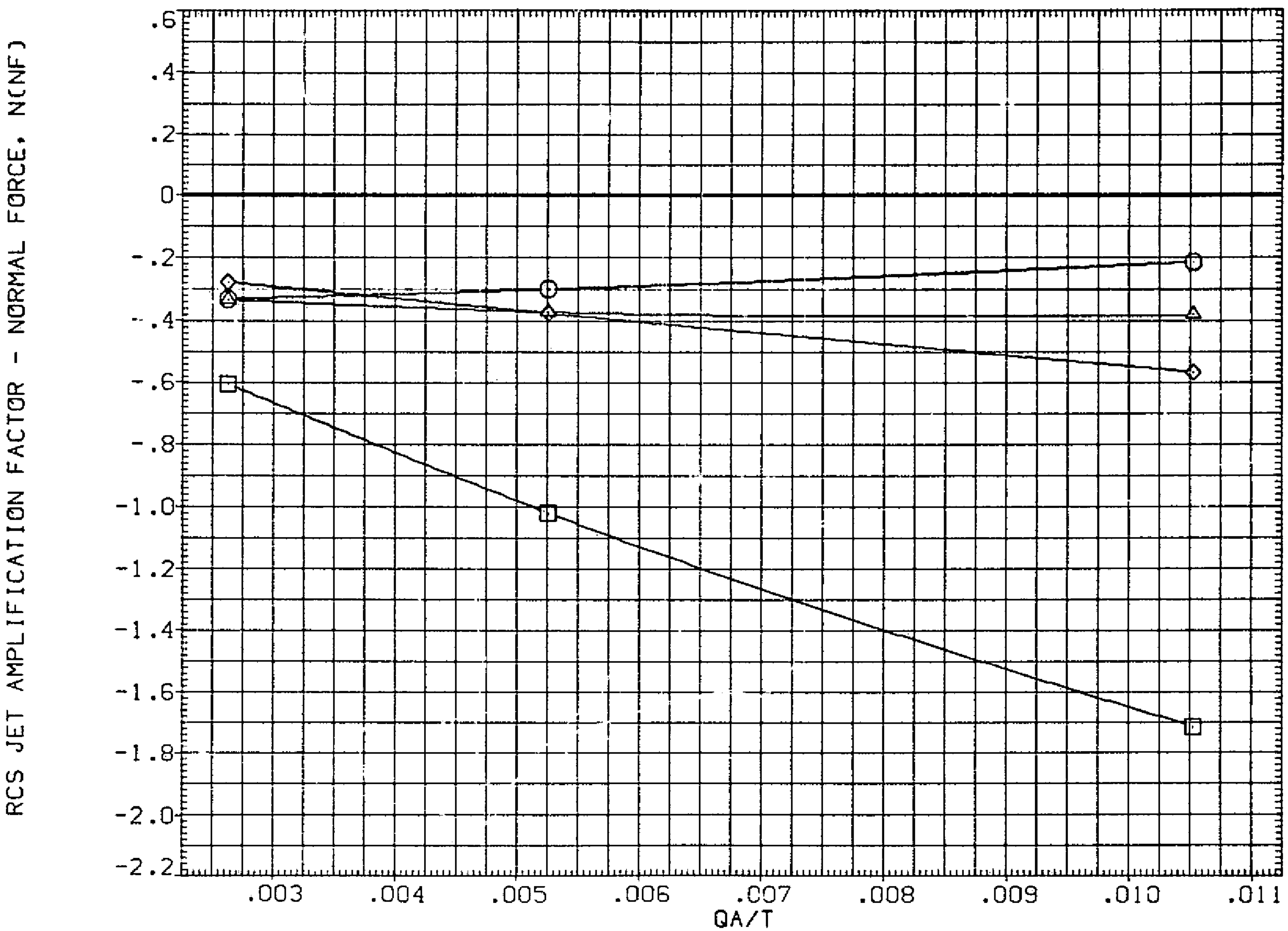


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

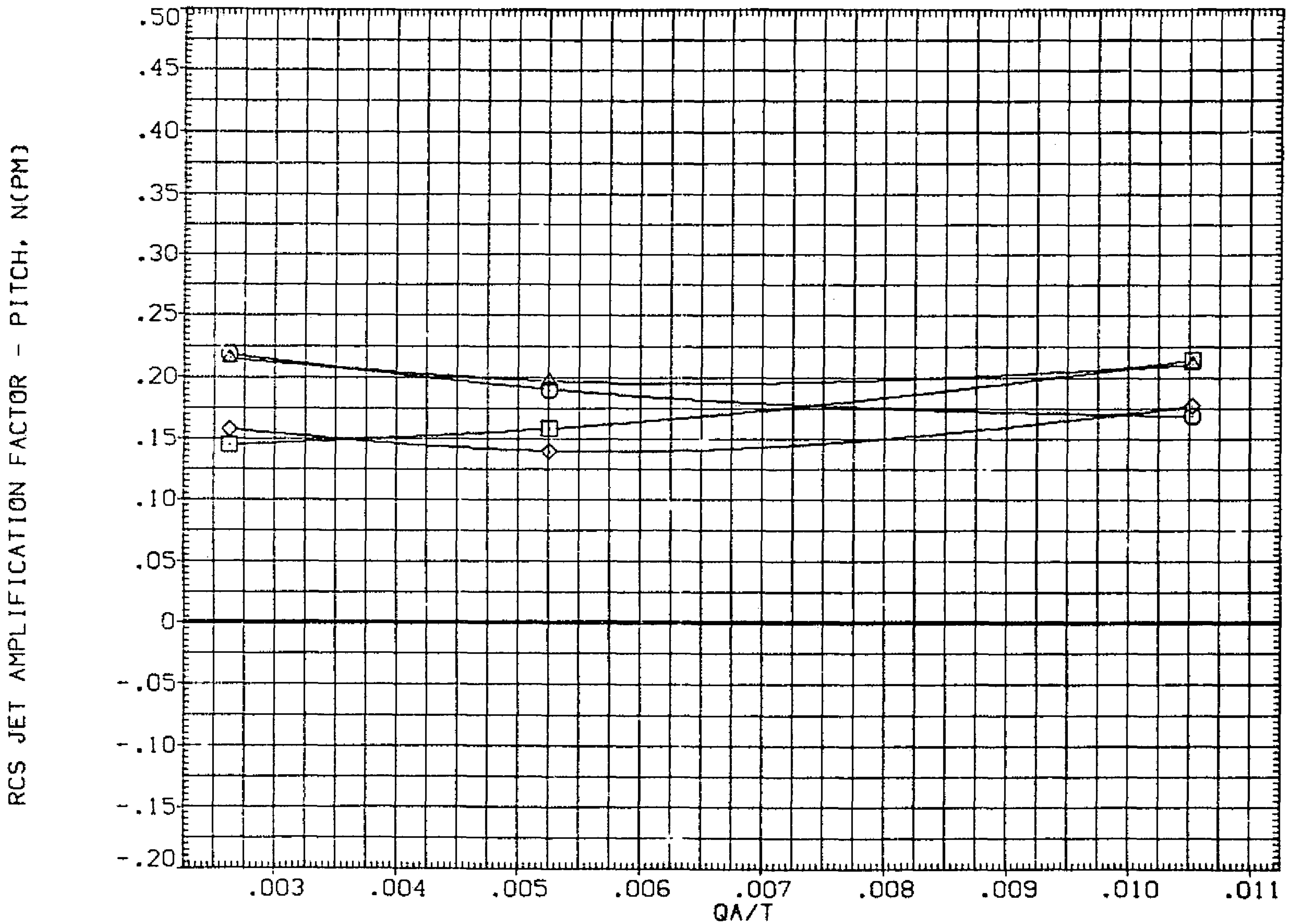


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

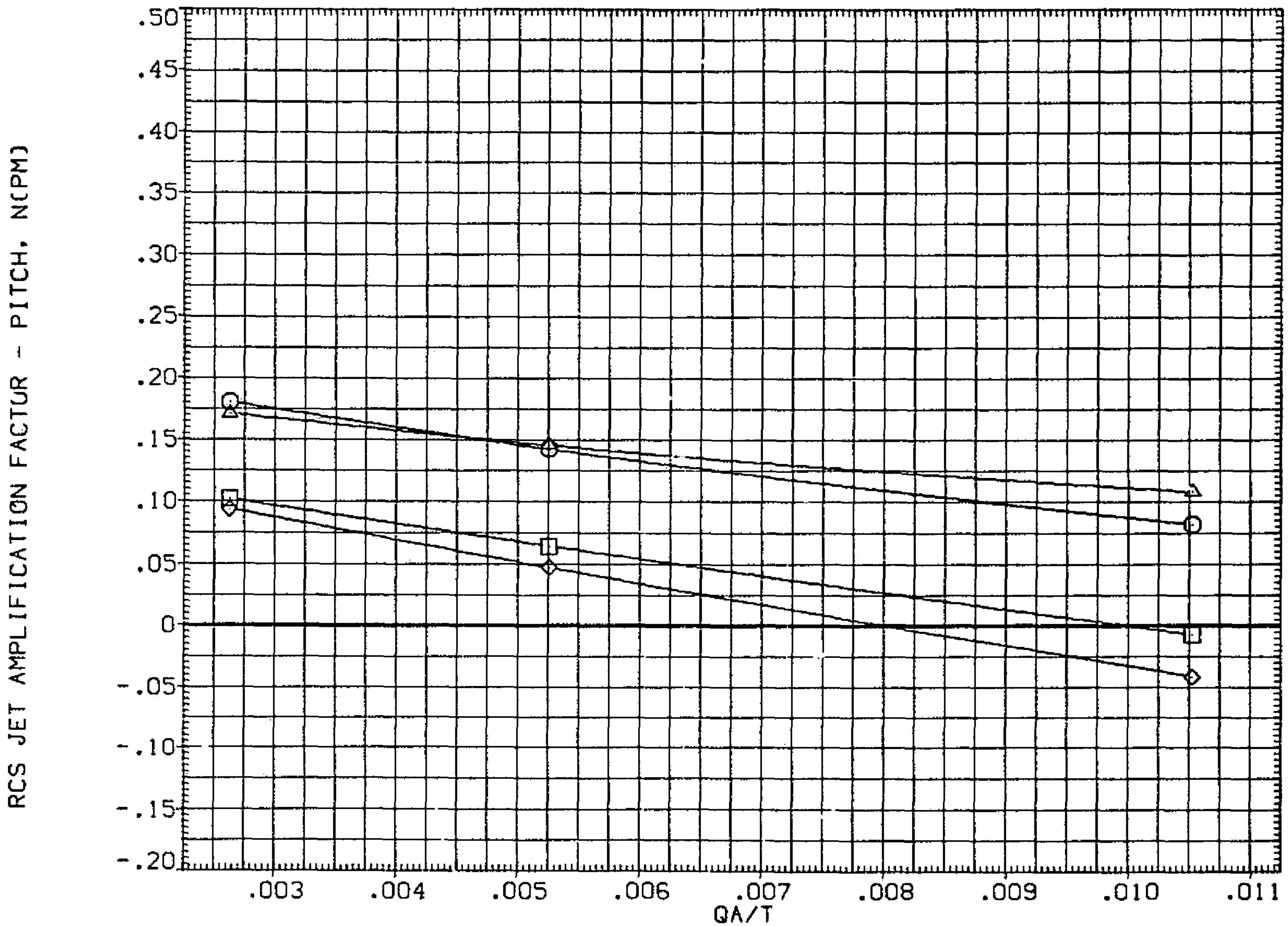


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	0IN79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	0IN79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

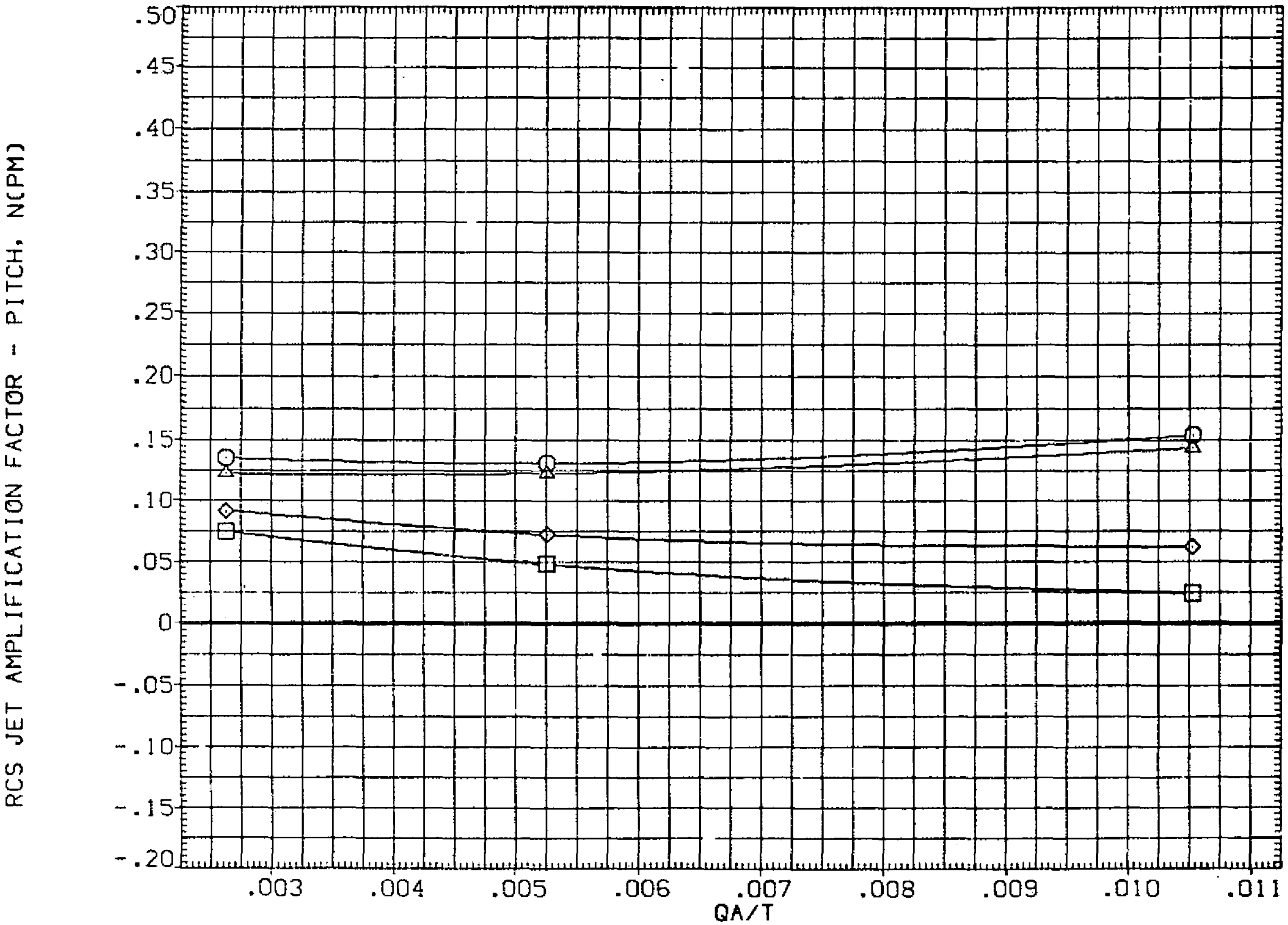


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

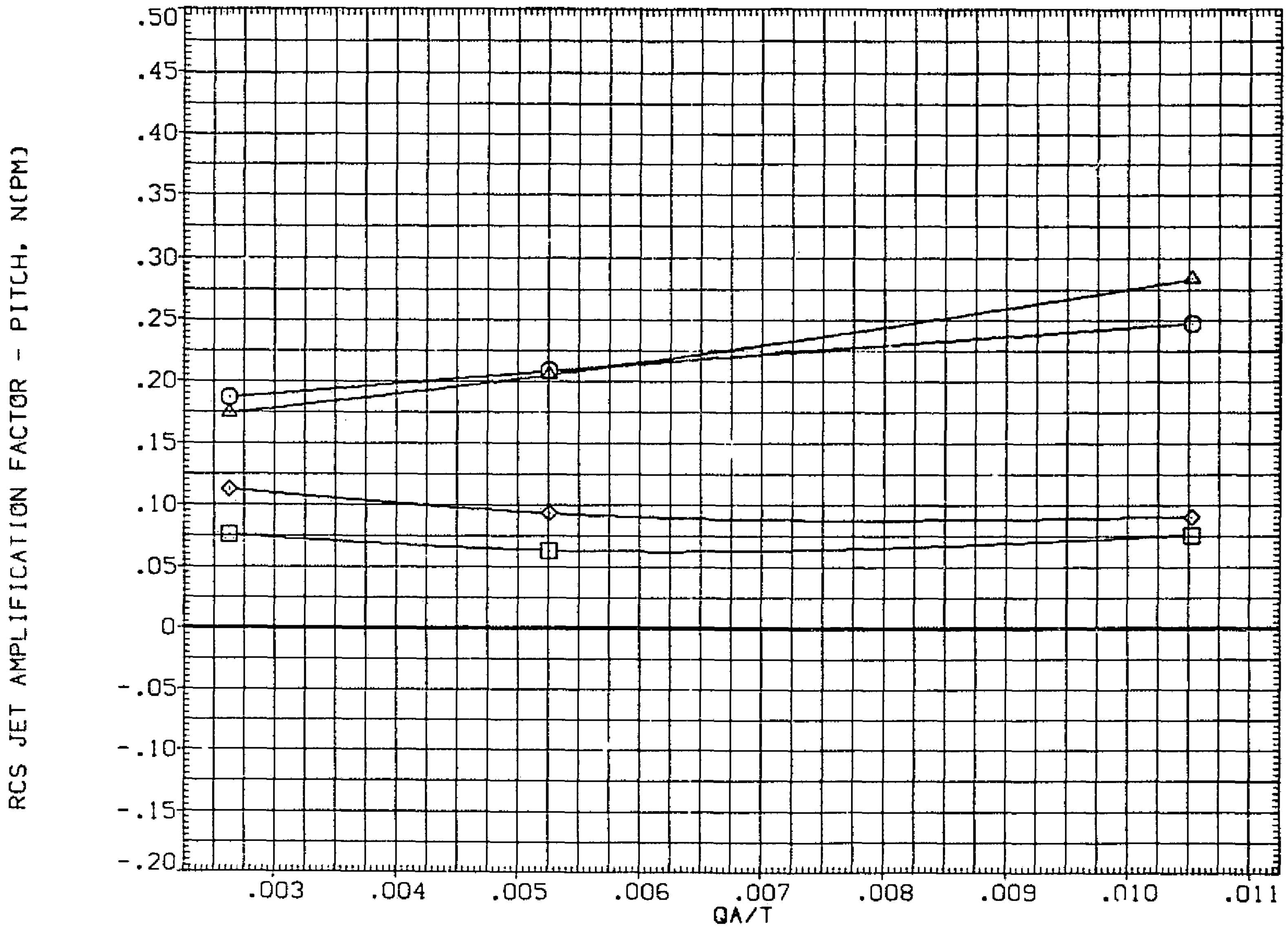


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	0IN79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	0IN79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

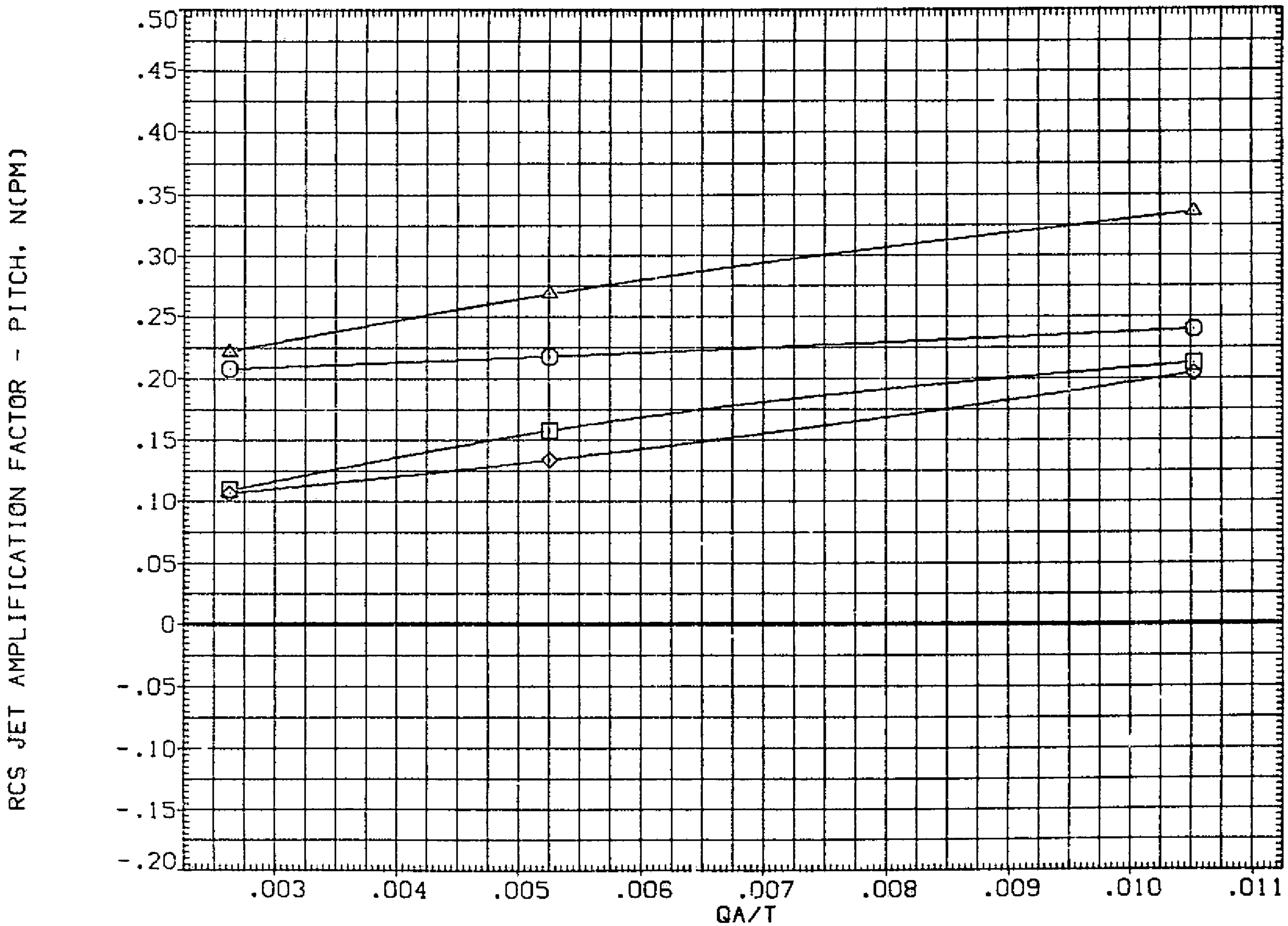


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

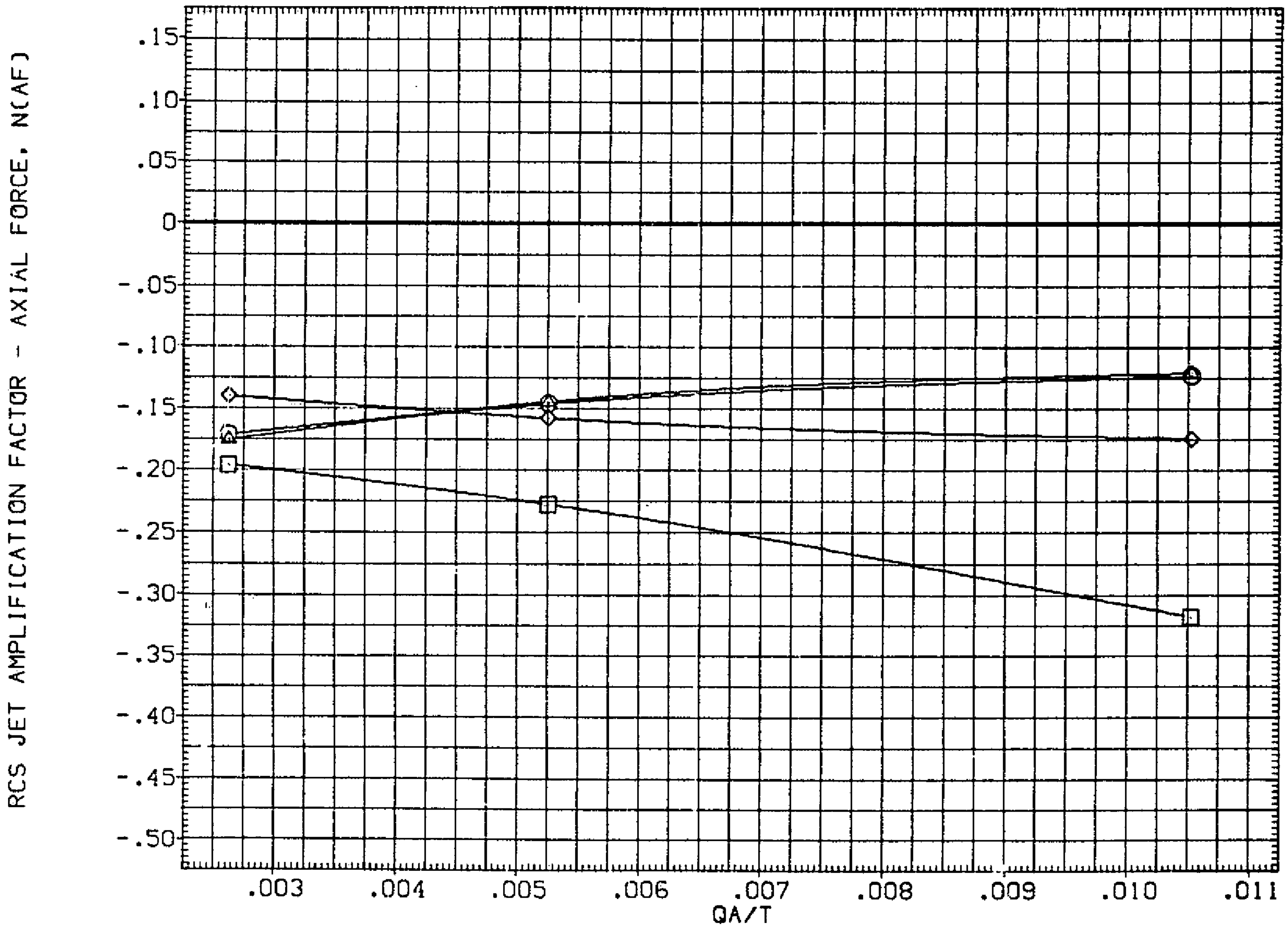


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

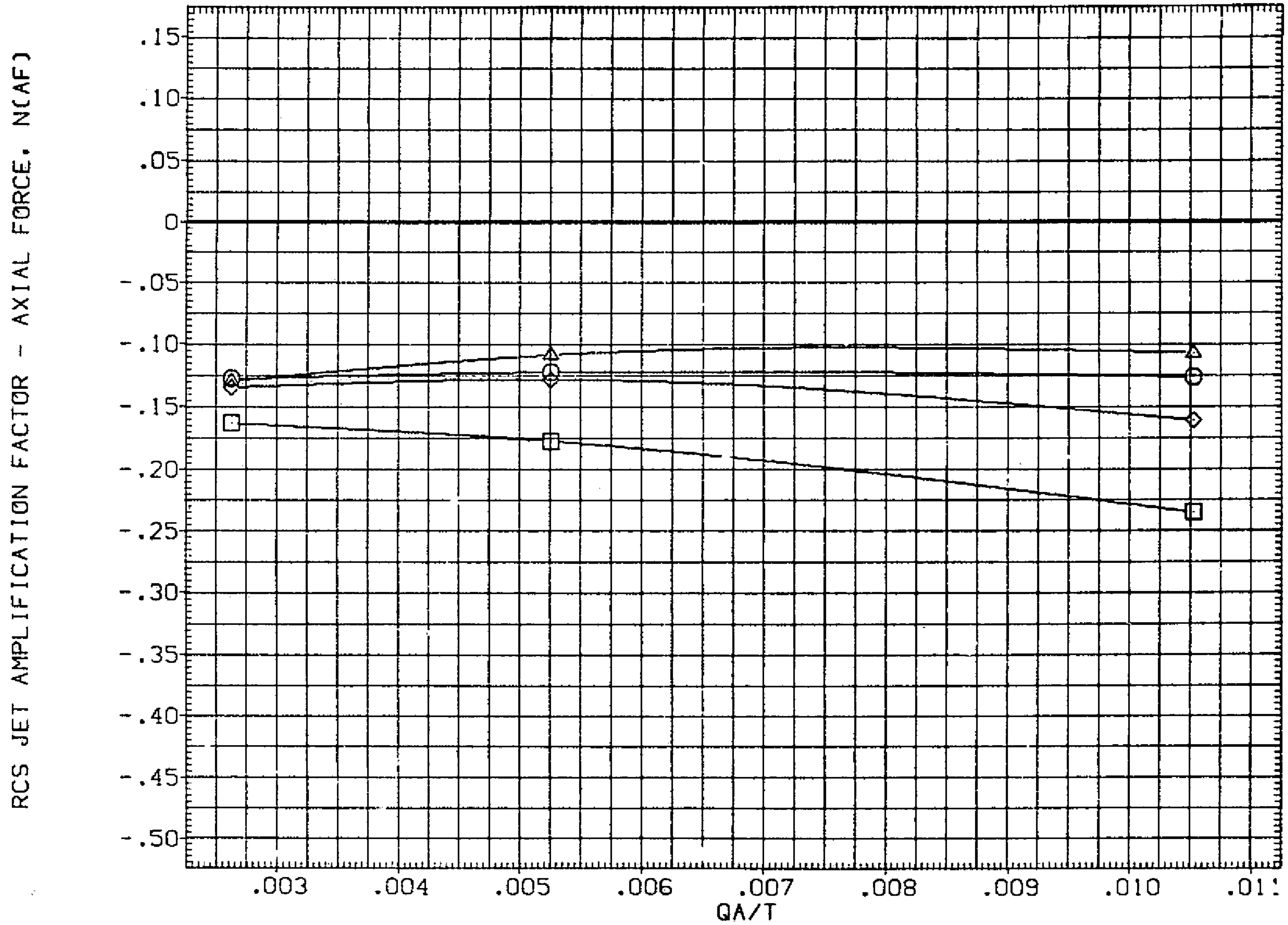


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

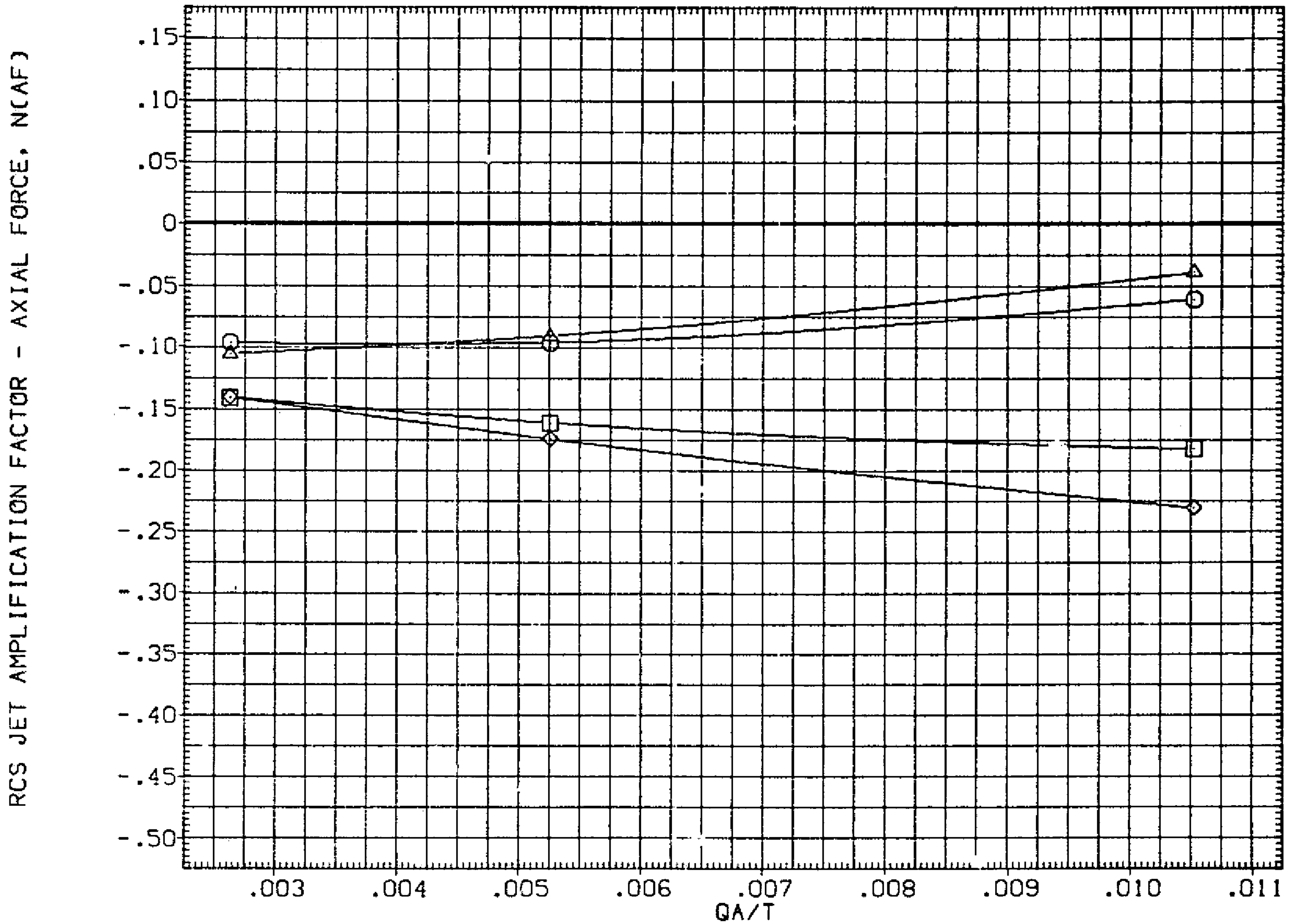


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

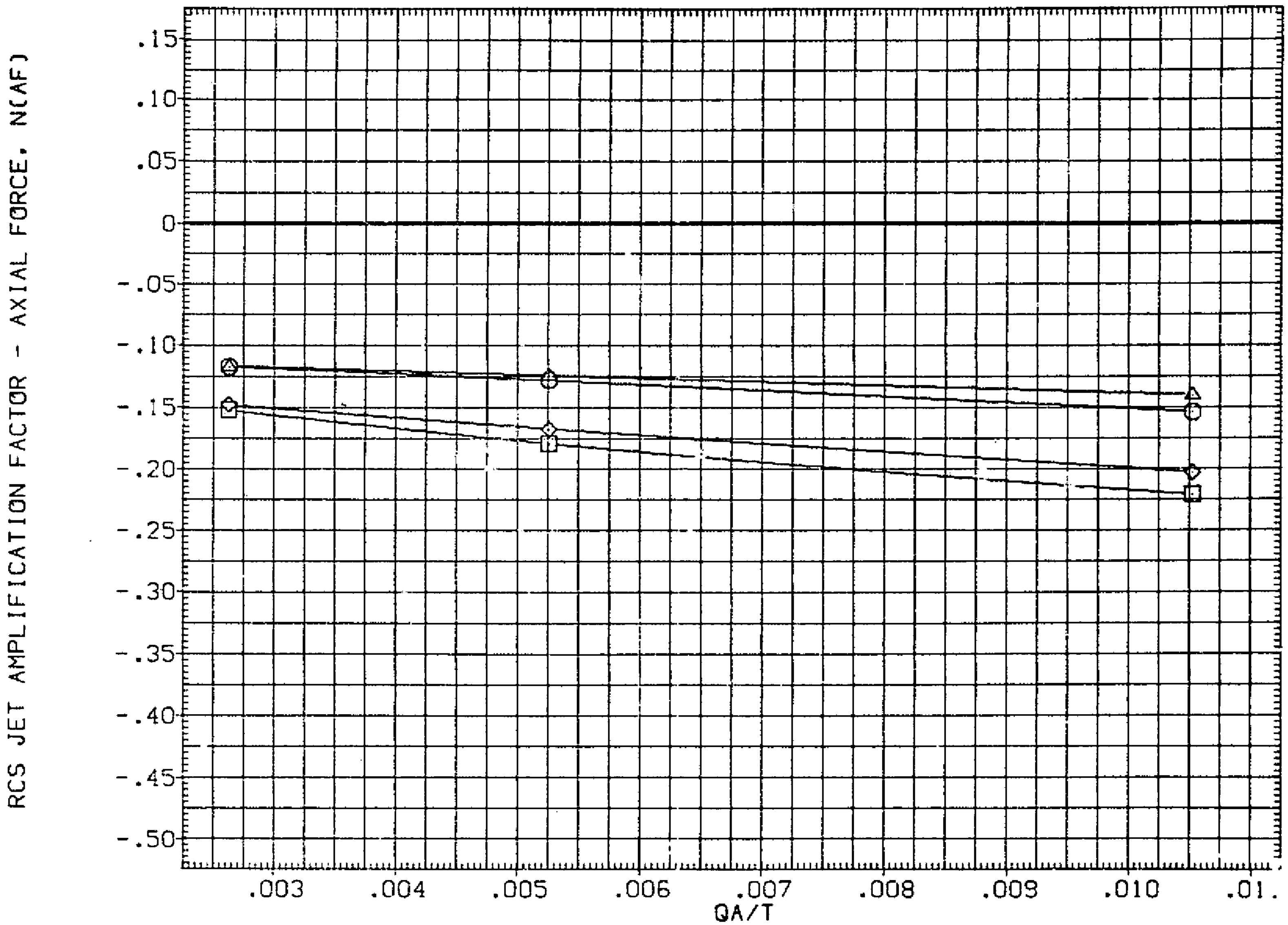


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

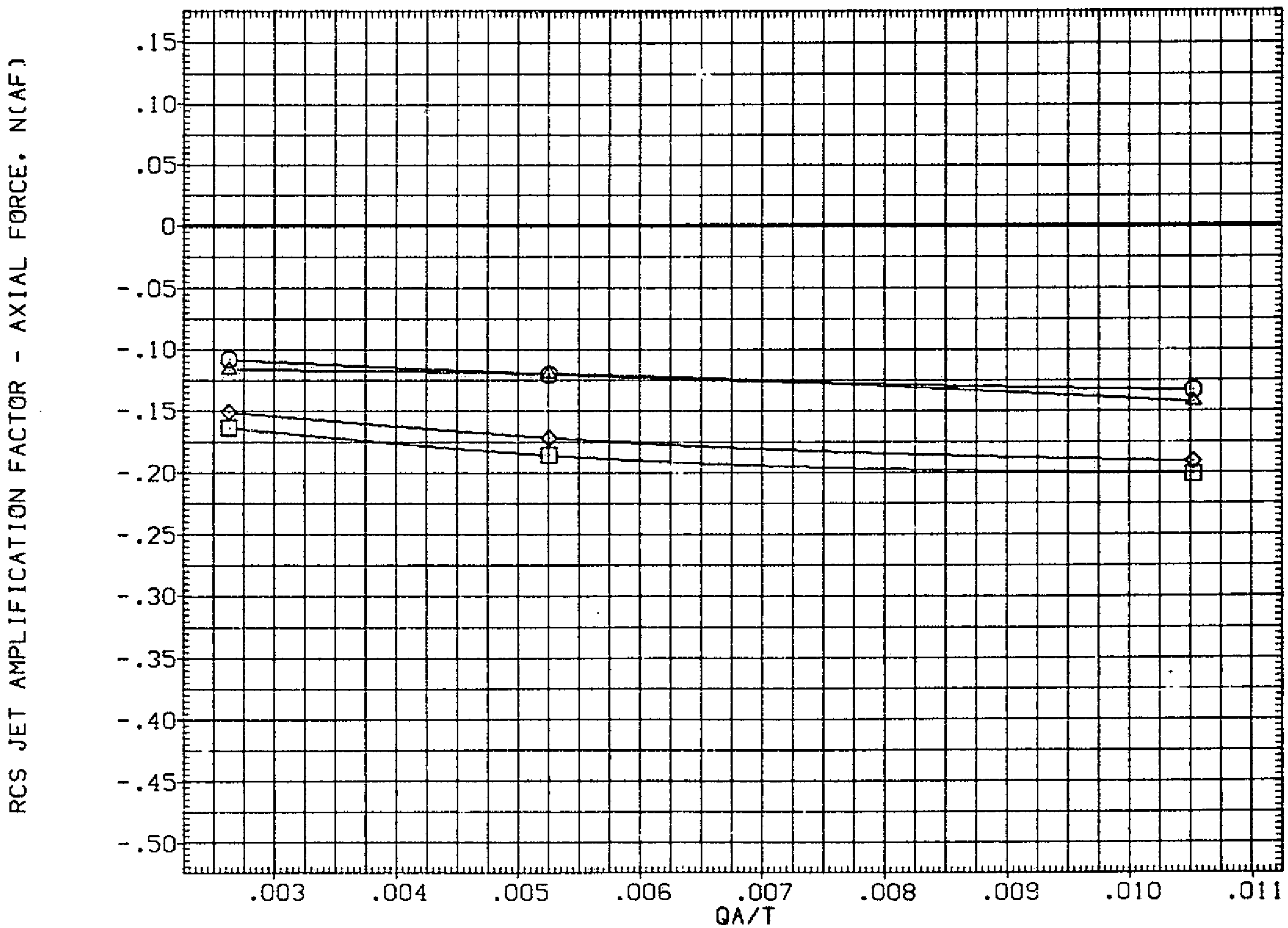


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

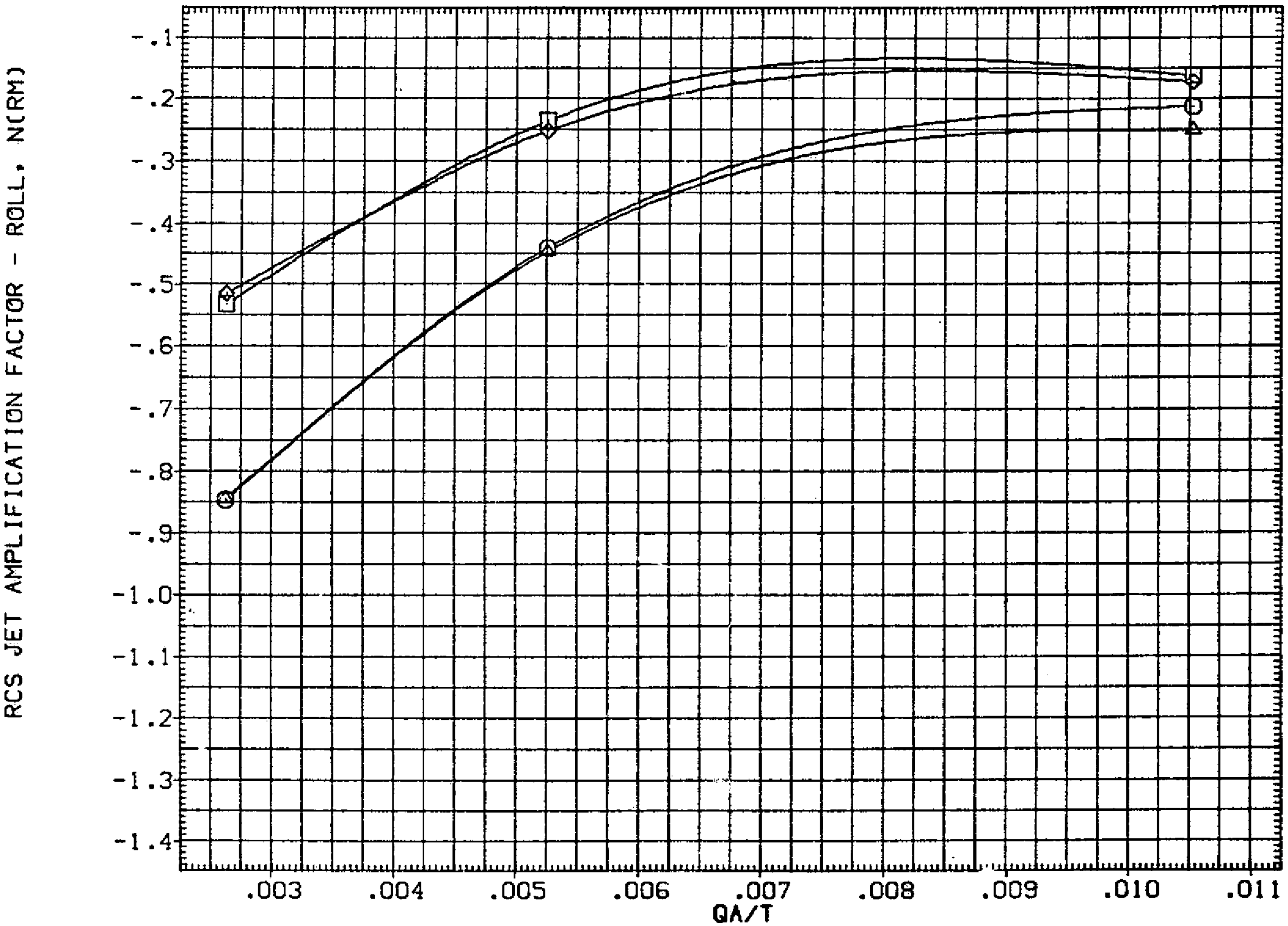


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

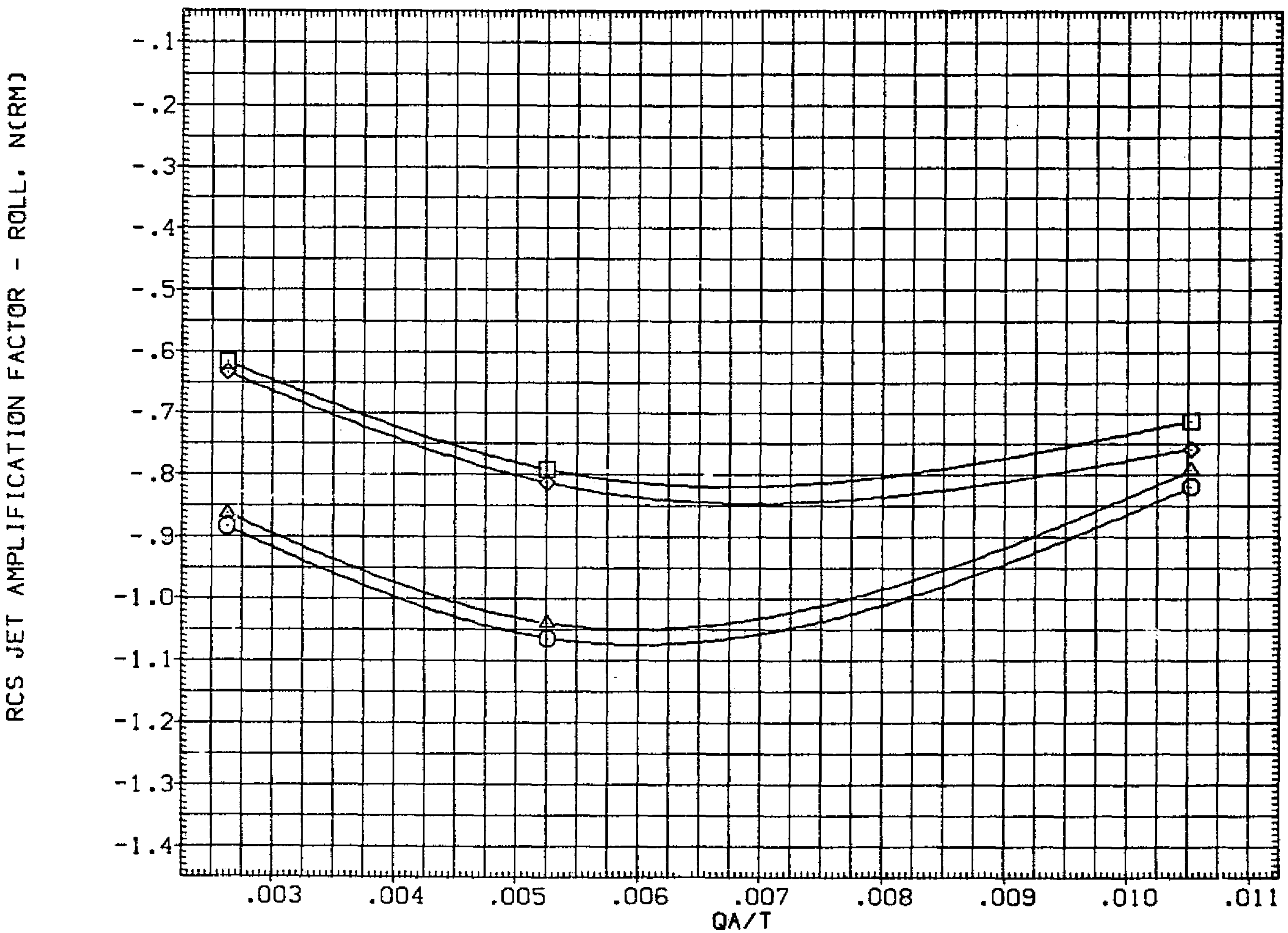


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

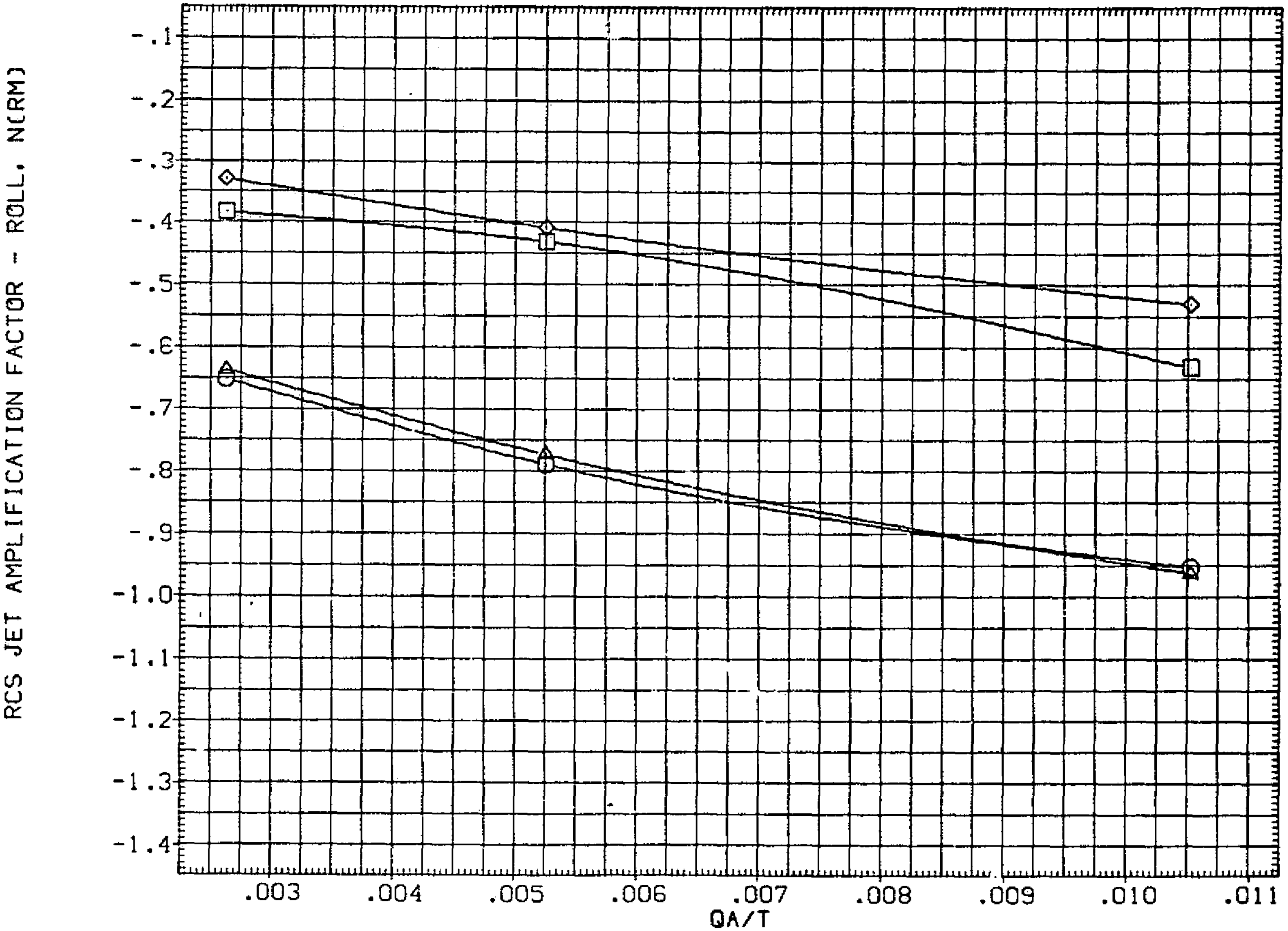


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

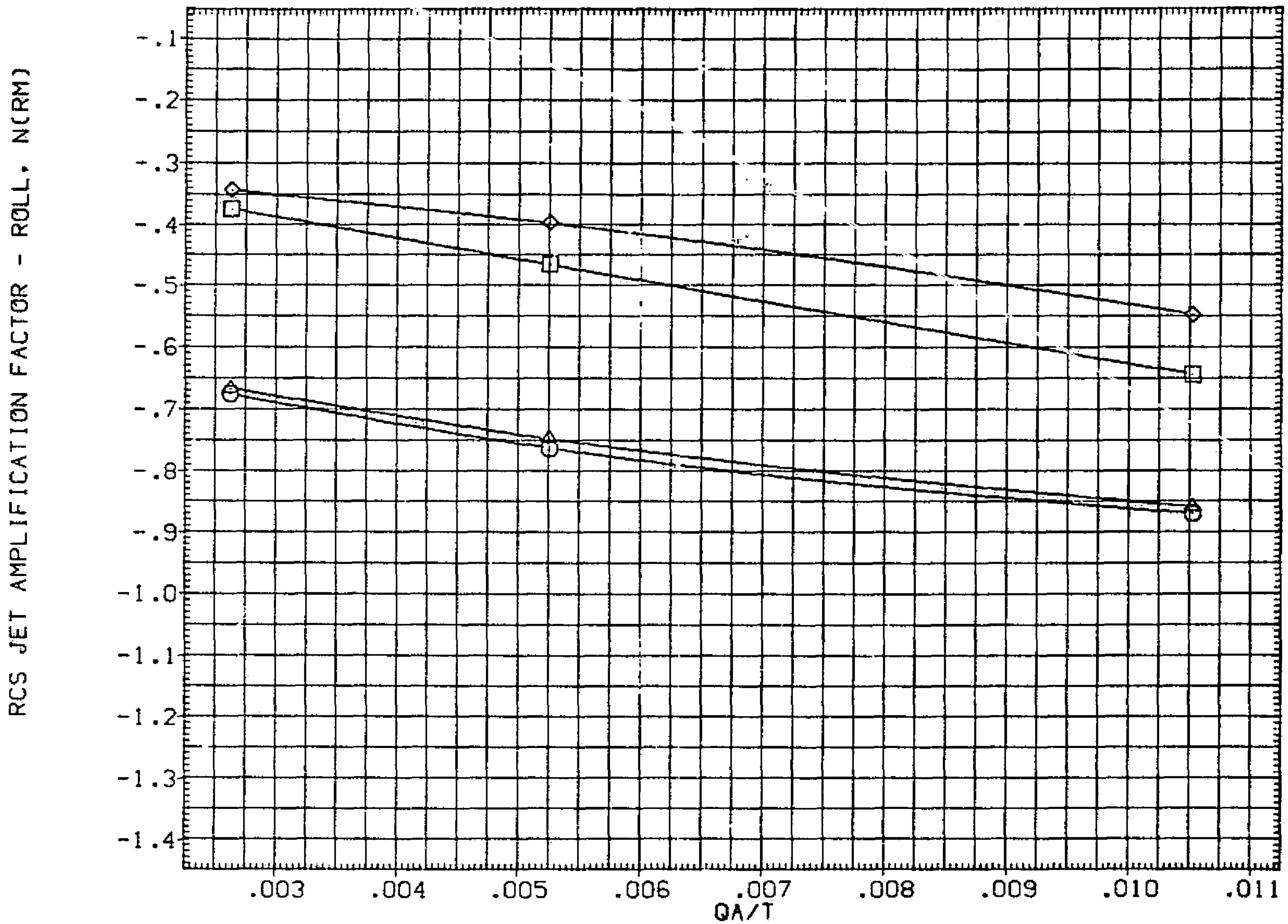


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

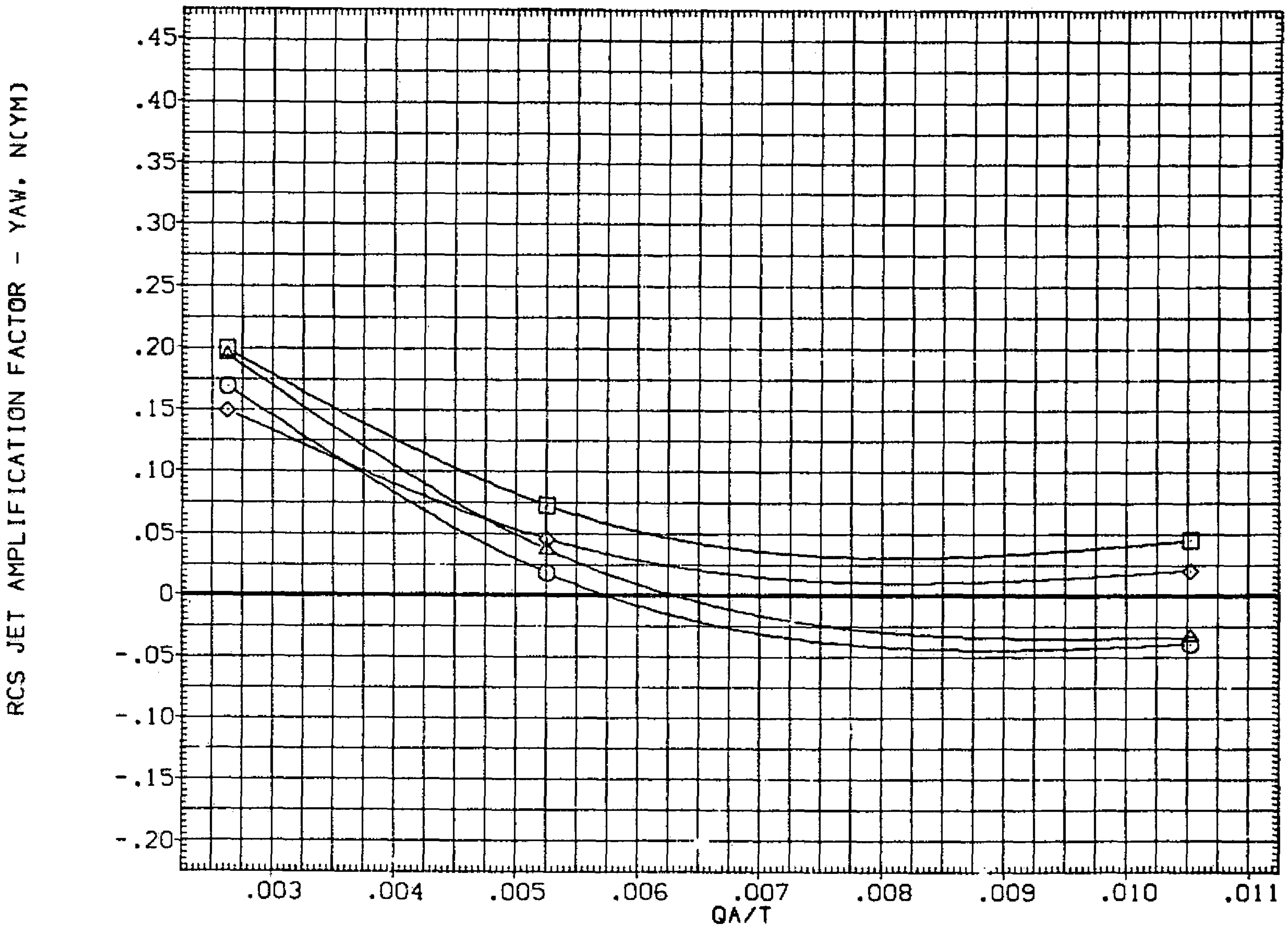


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

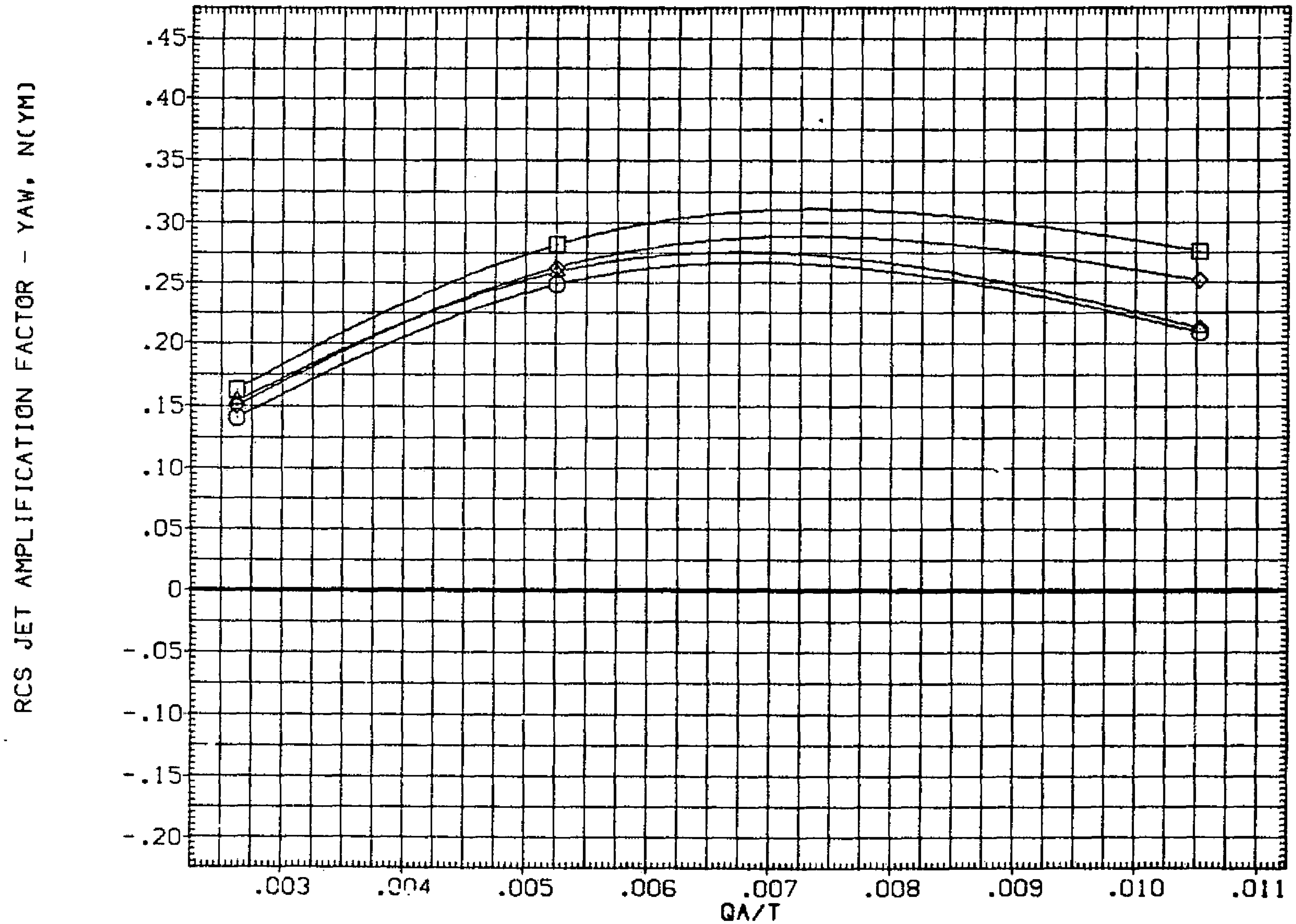


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

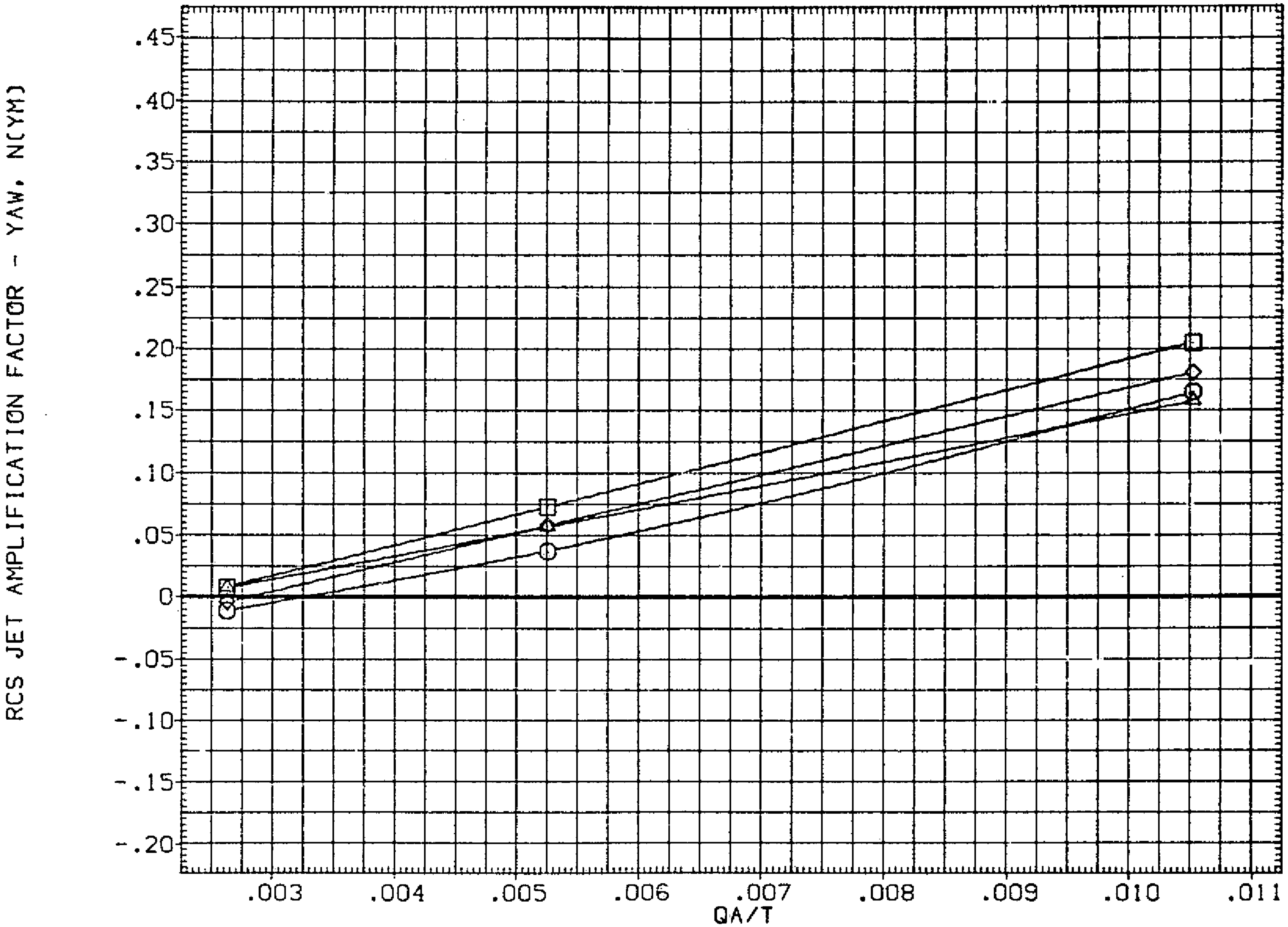


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

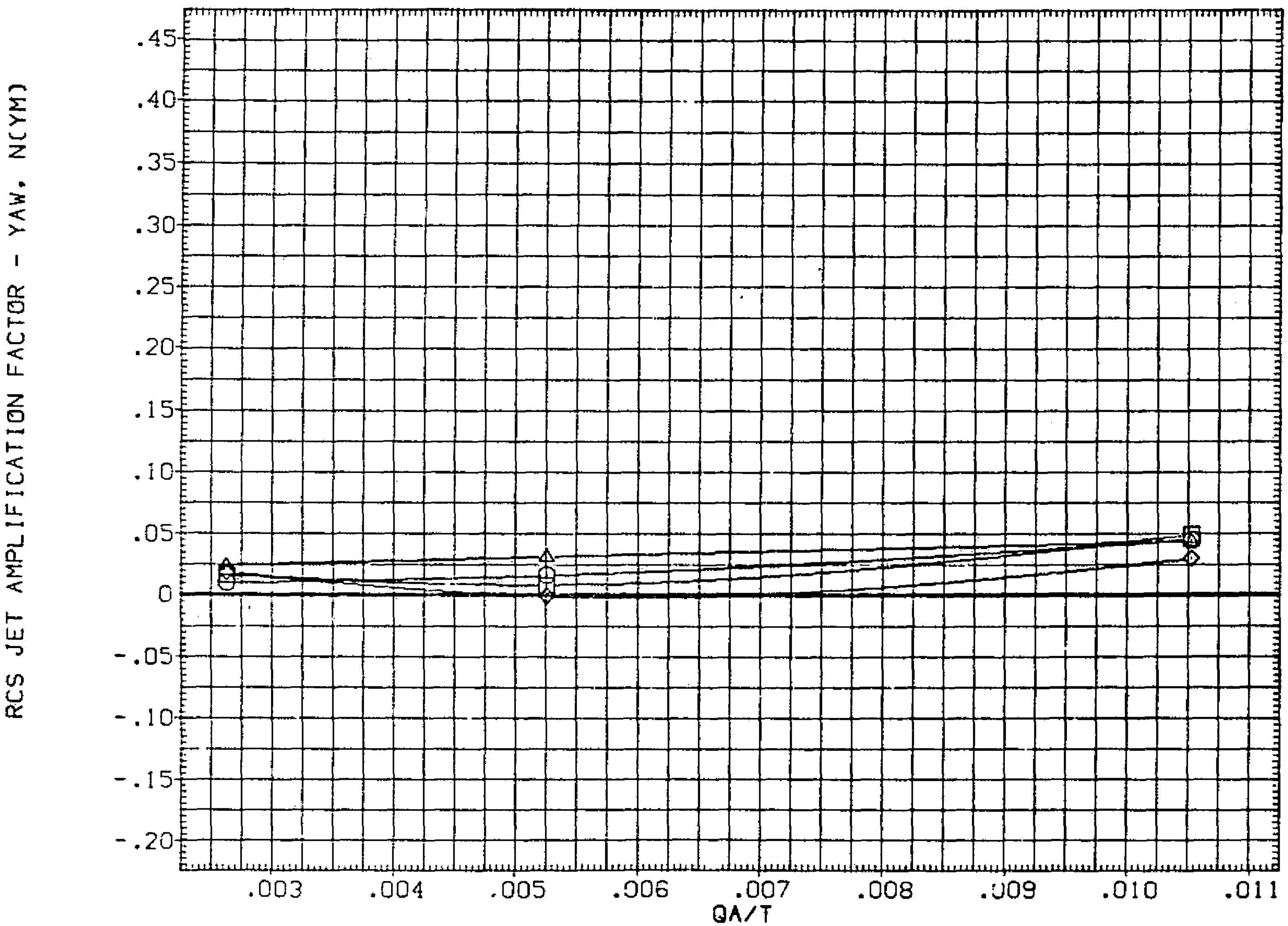


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

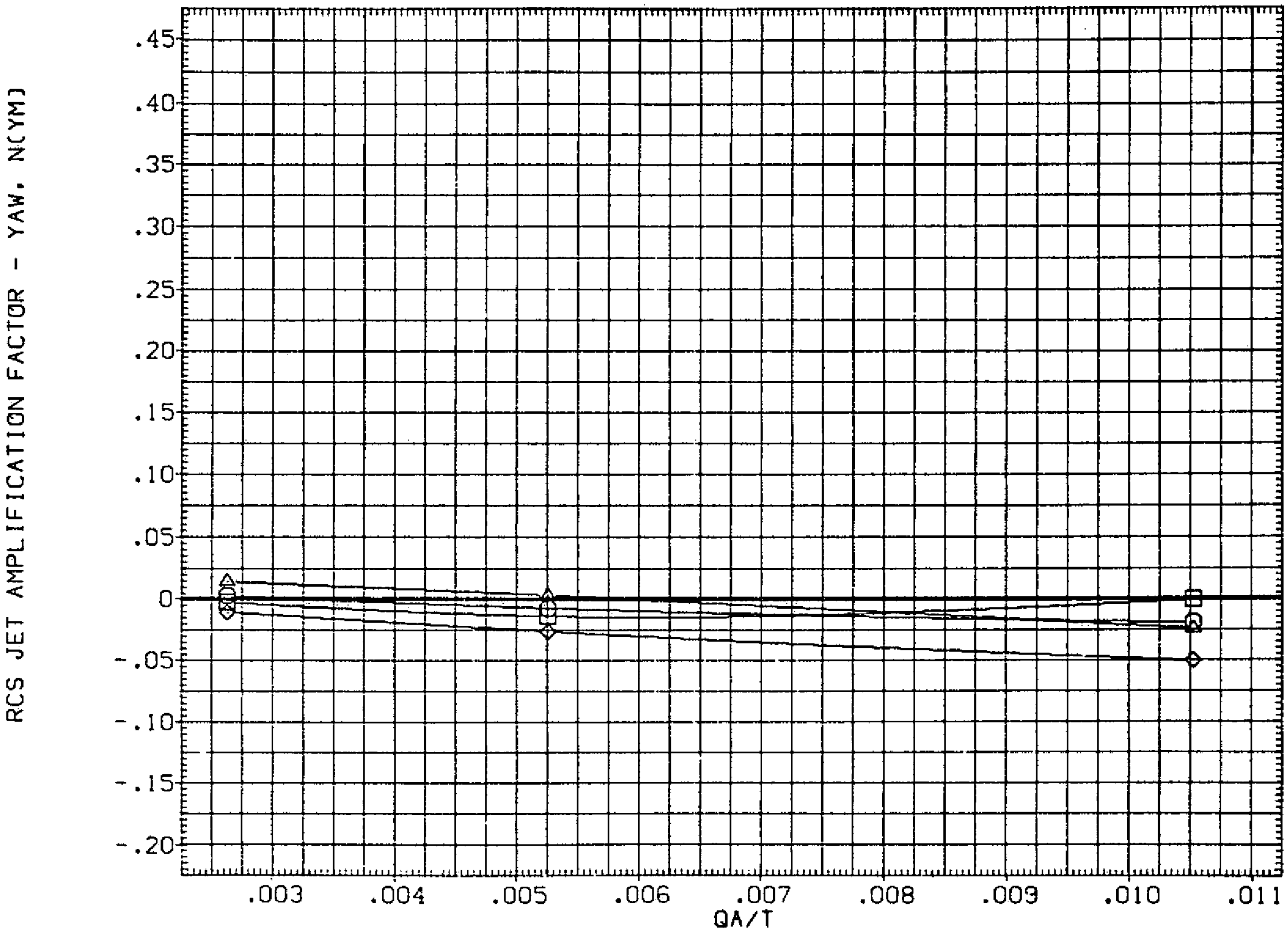


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
[SJA020]	○	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
[SJA035]	□	0IN79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
[SJA046]	◇	0IN79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
[XJA009]	△	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

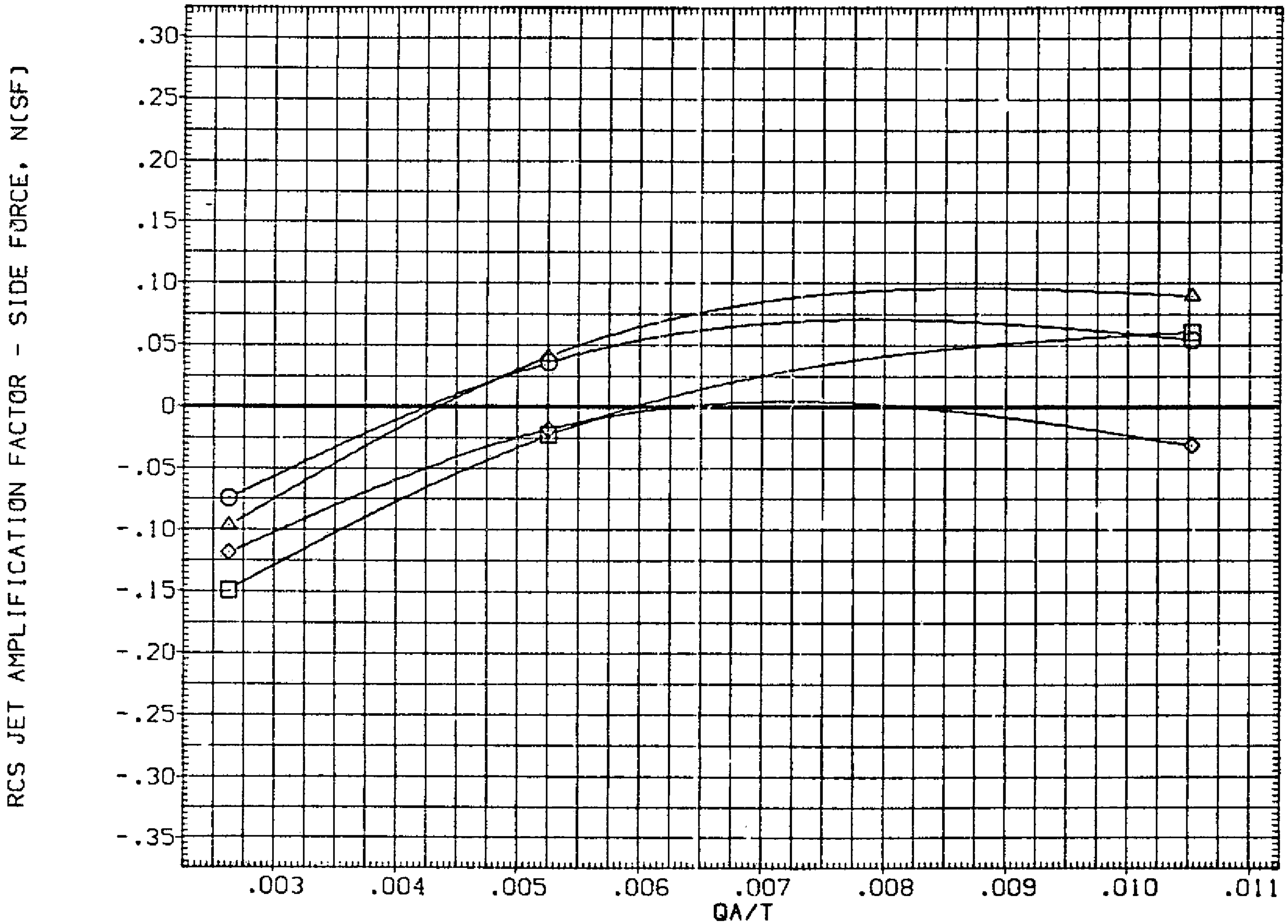


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

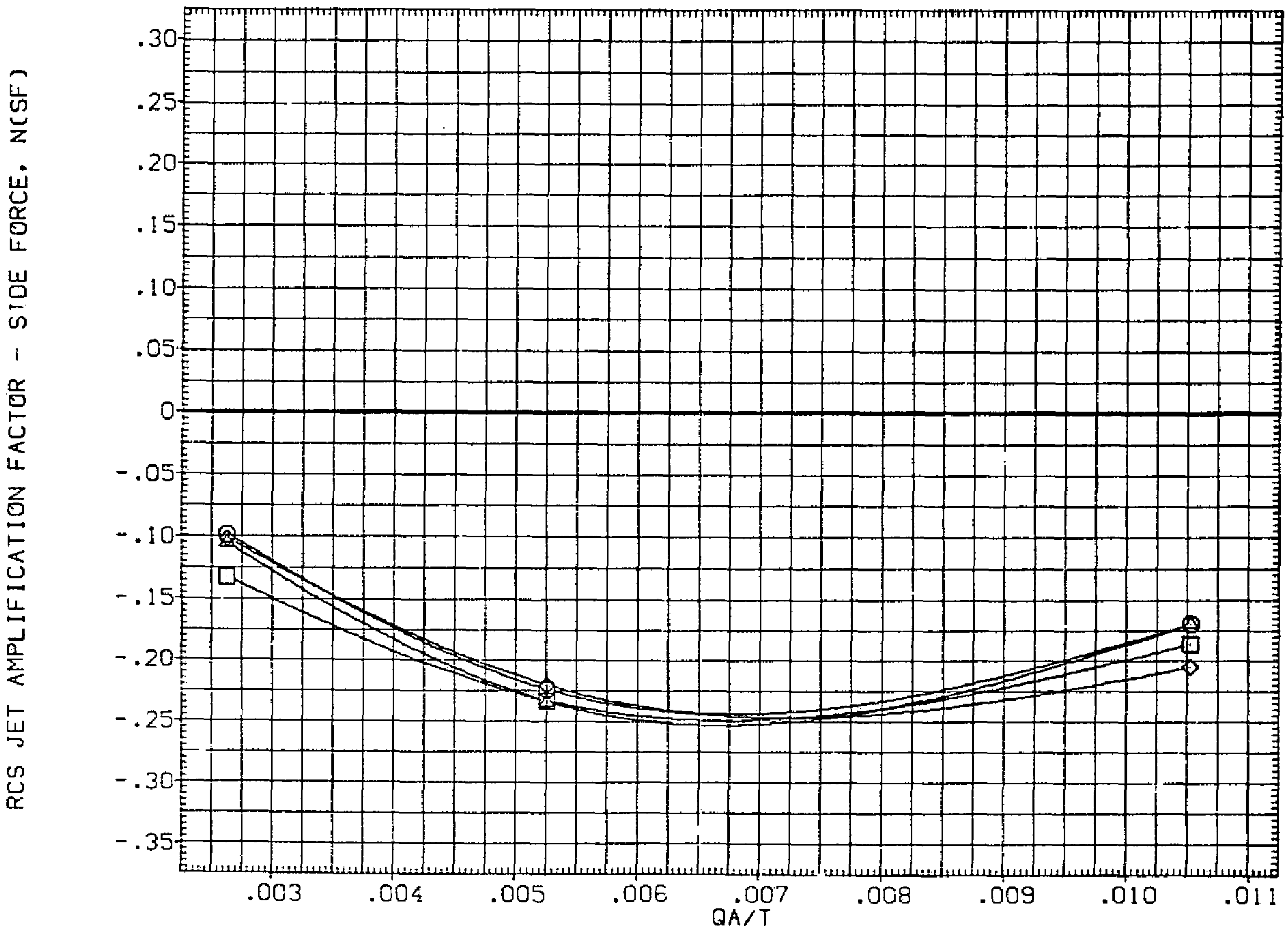


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

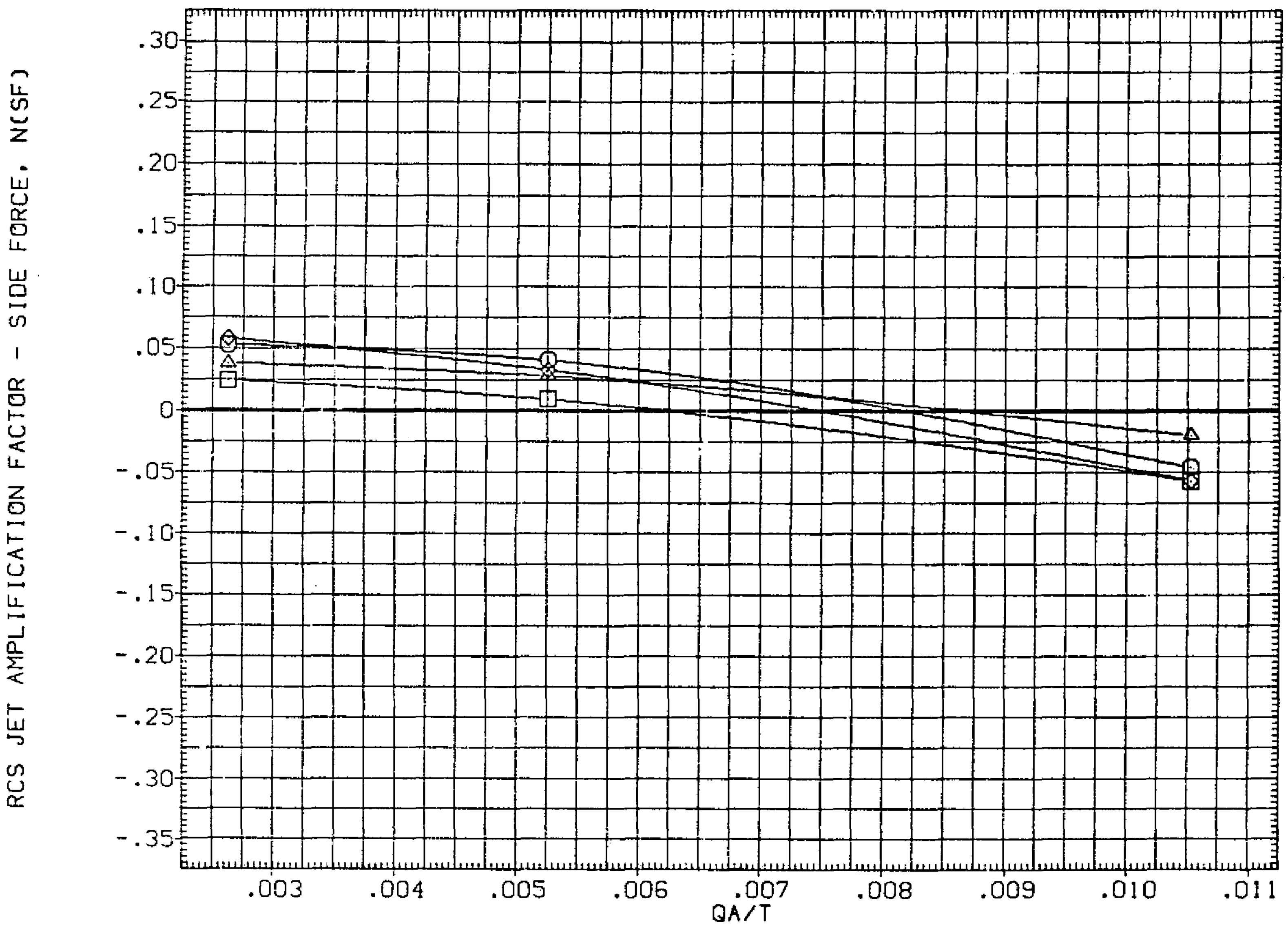


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

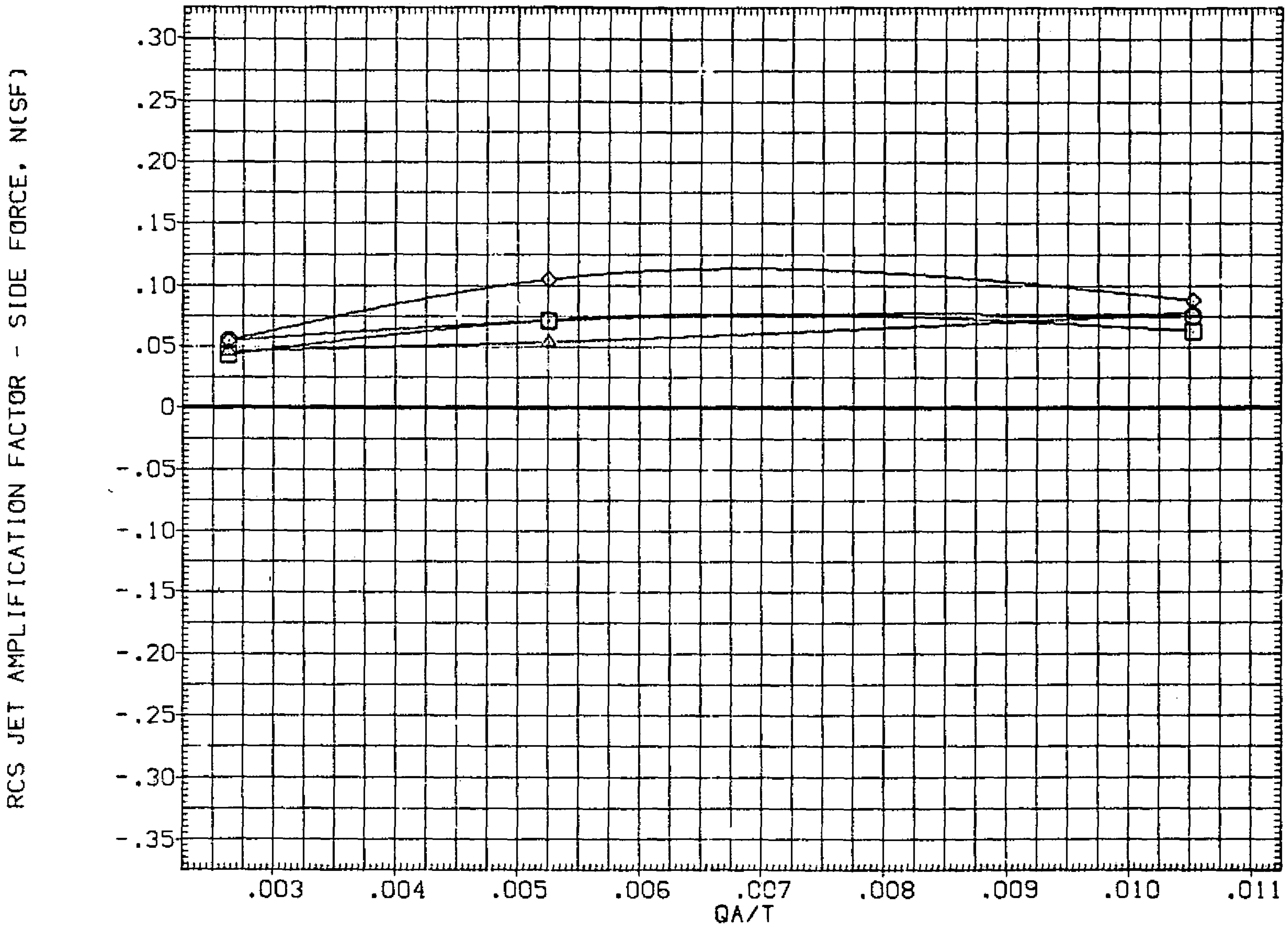


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA035)	□	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA046)	◇	01N79N78 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

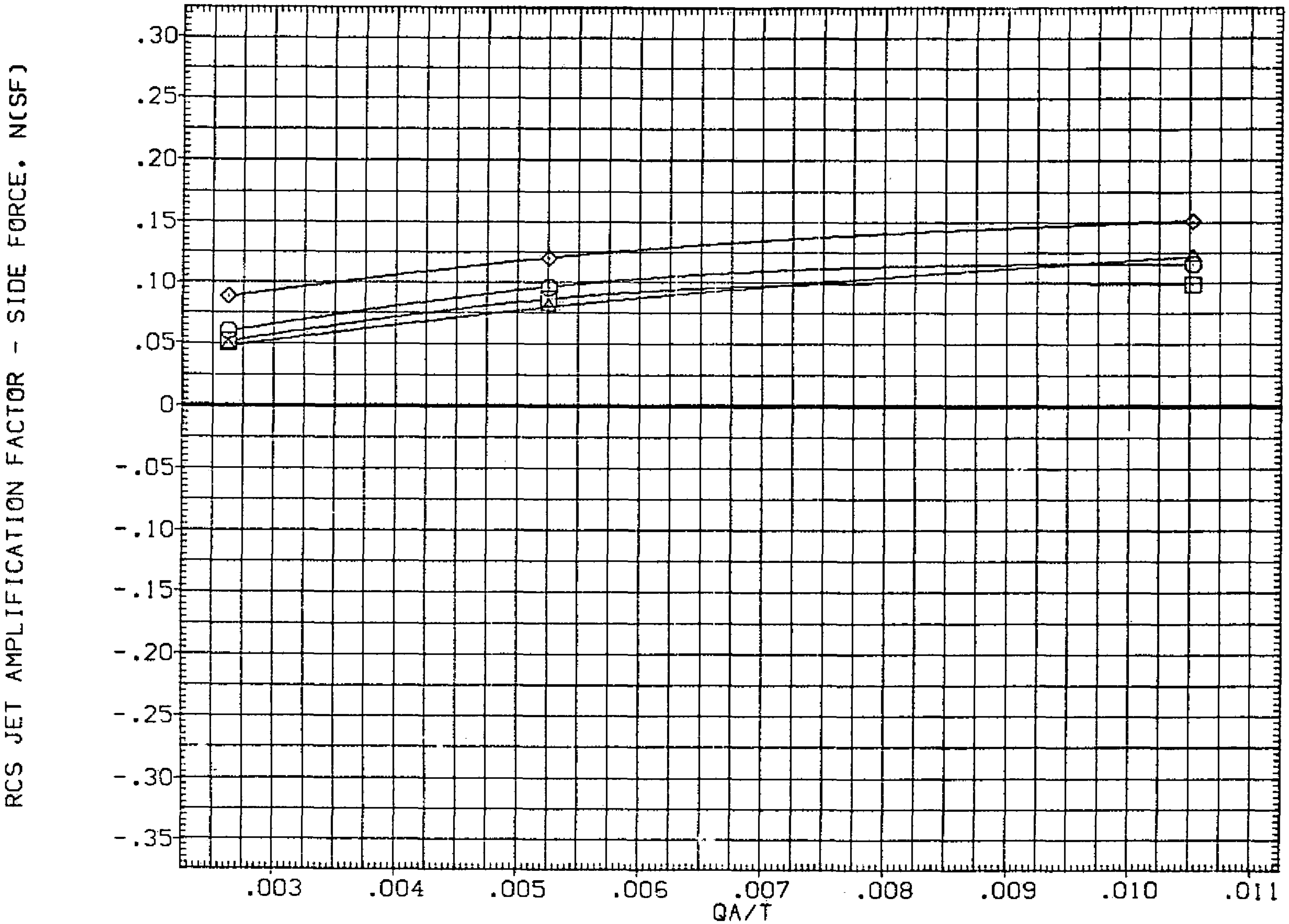


FIGURE 78. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

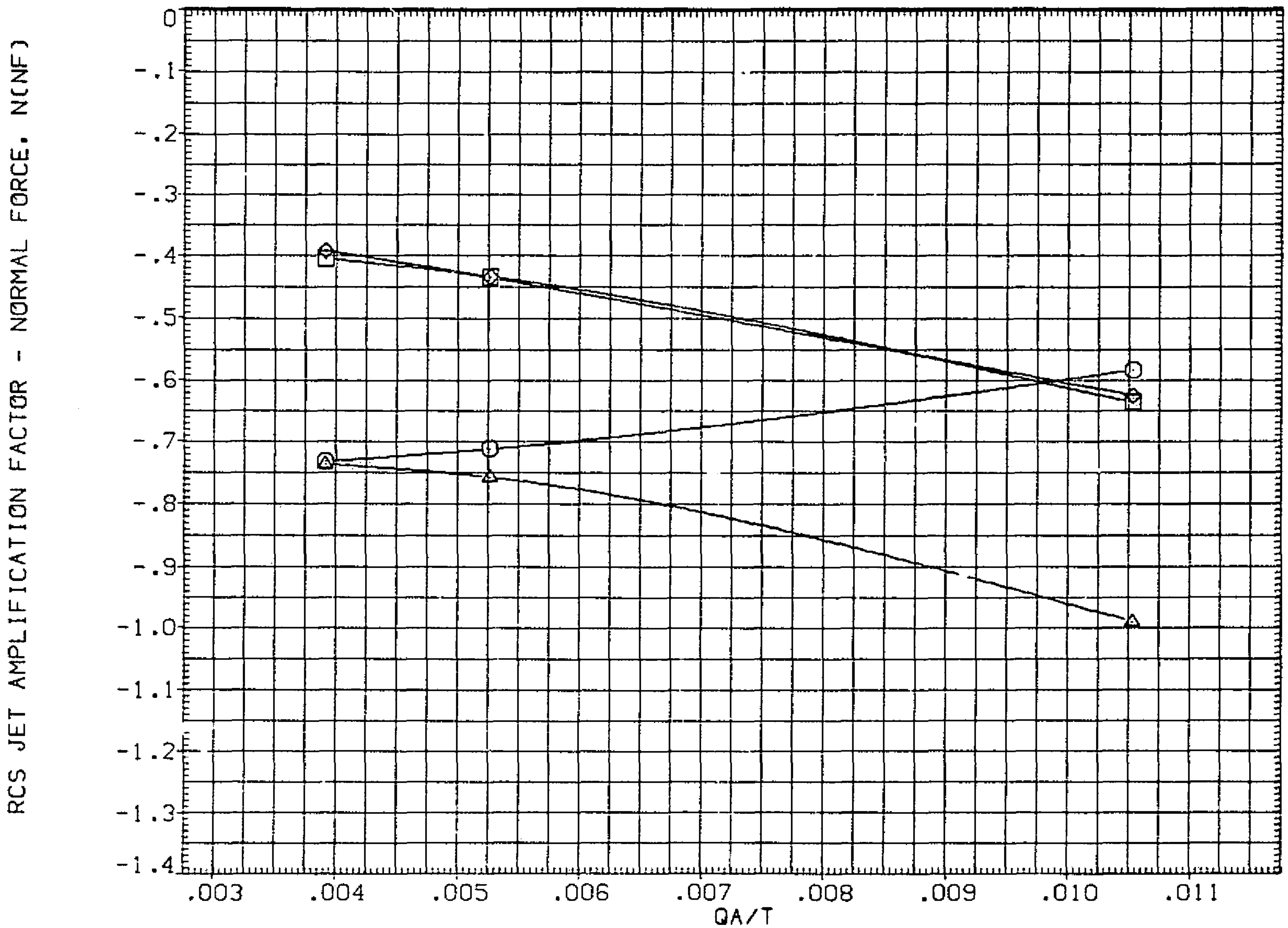


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

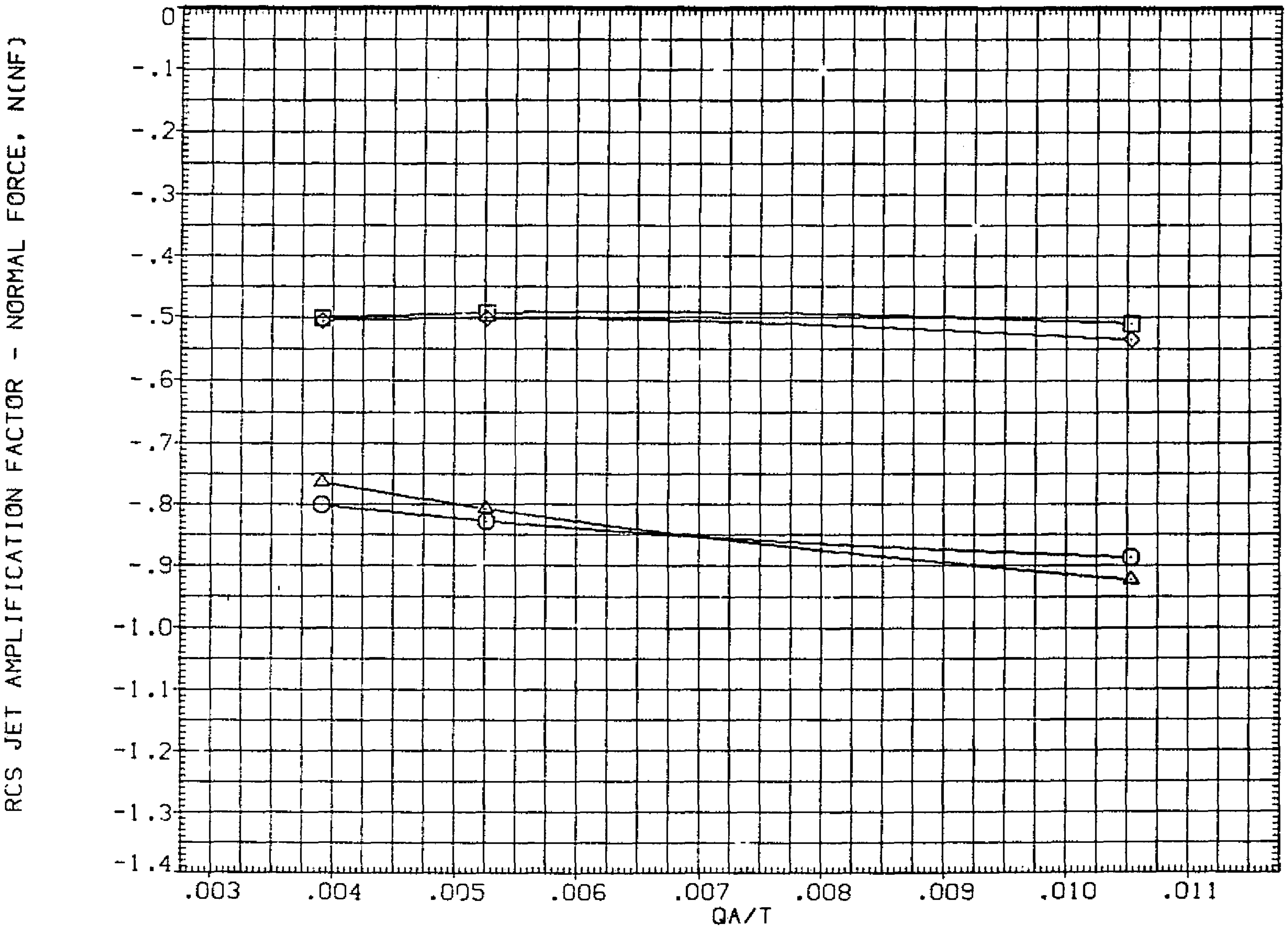


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

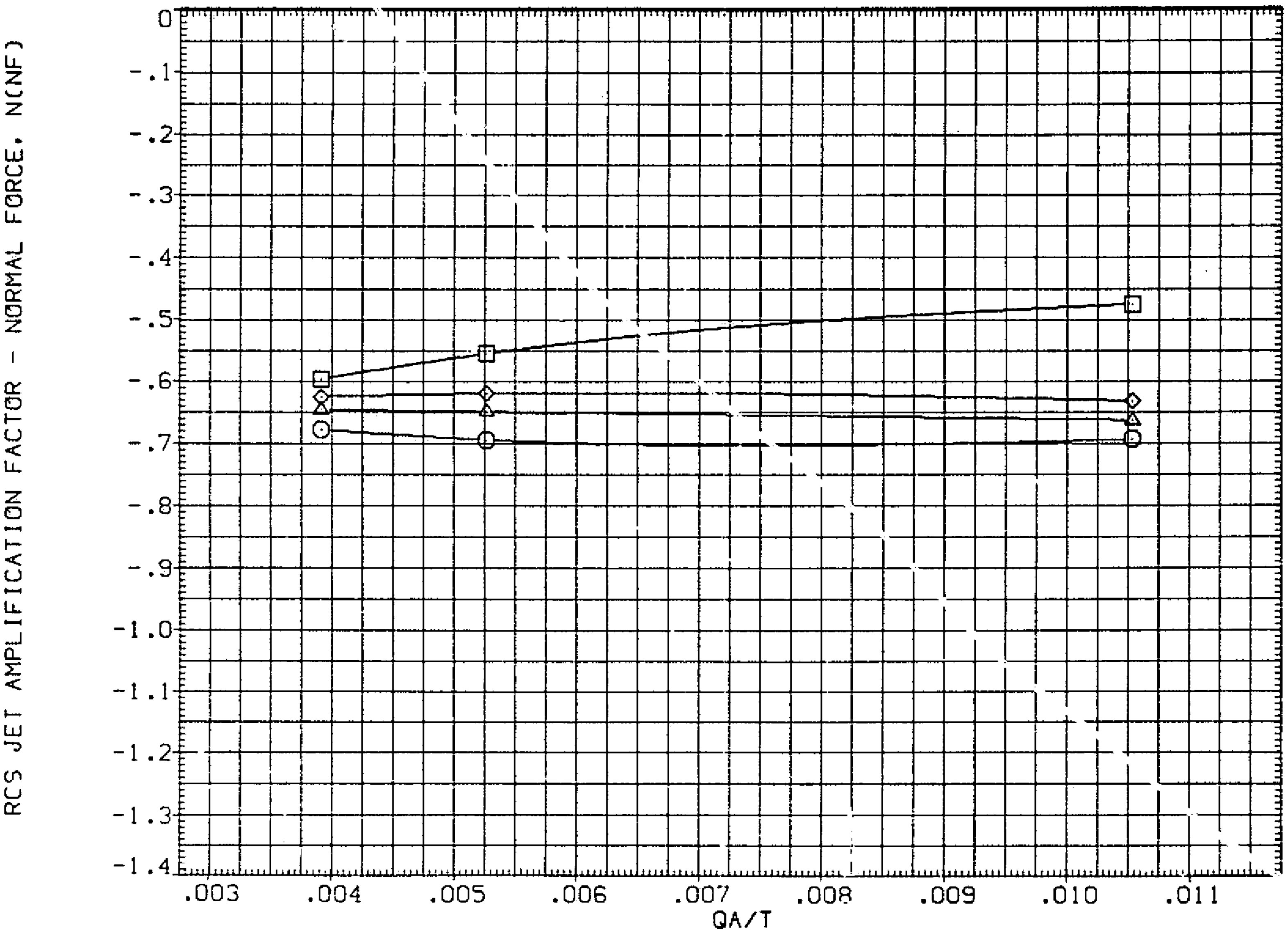


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	0IN85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	0IN85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	0IN85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	0IN85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

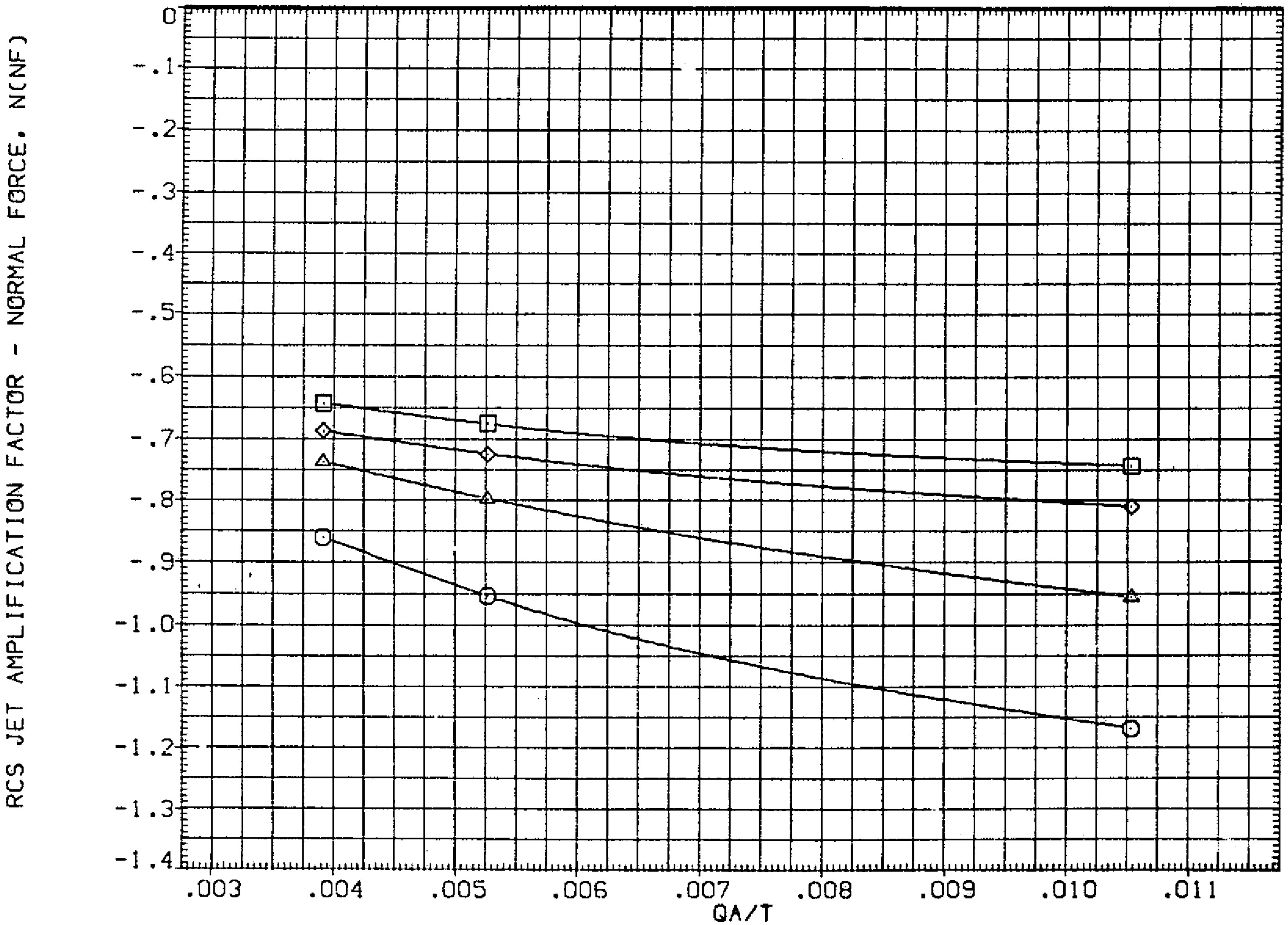


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

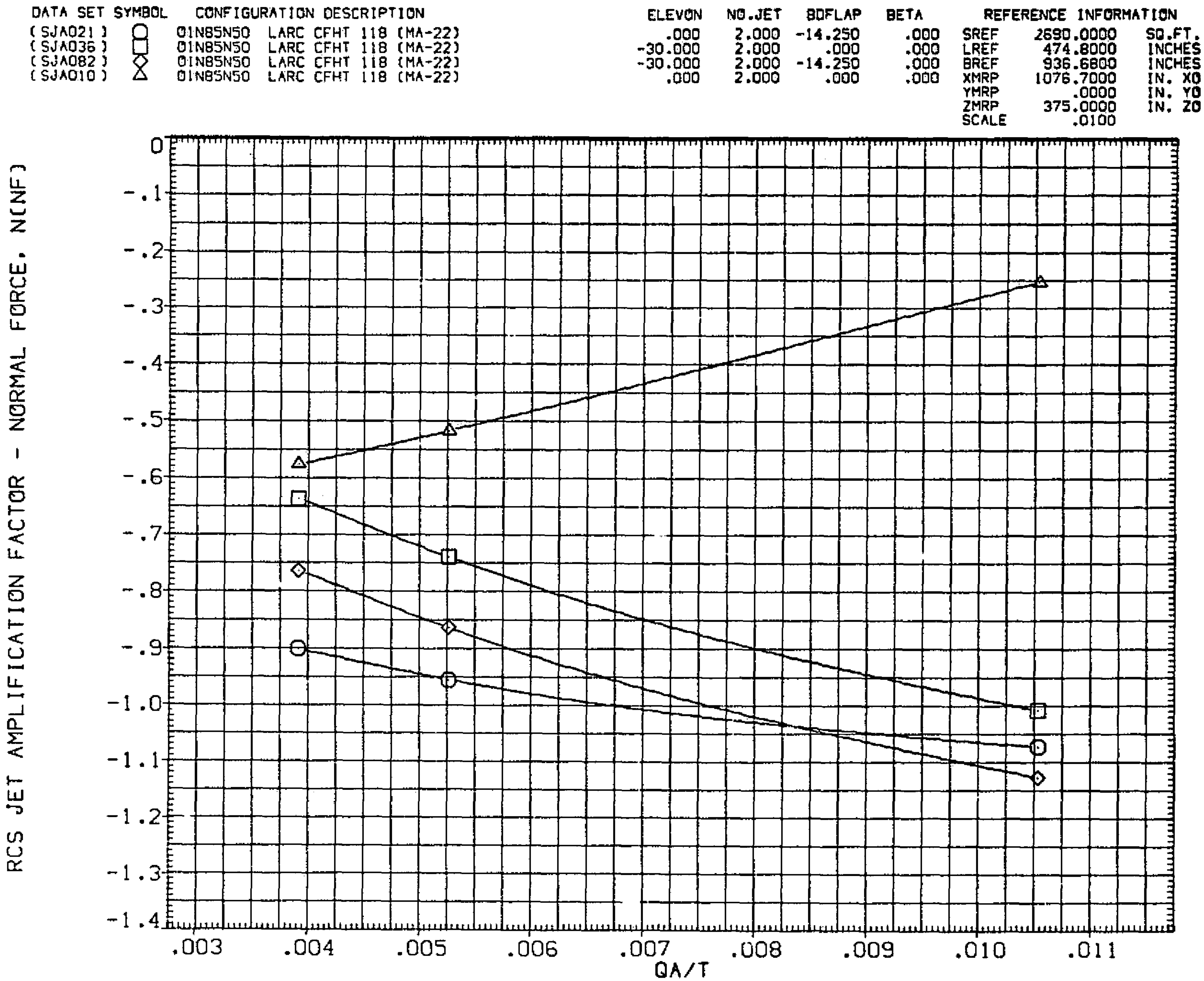


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

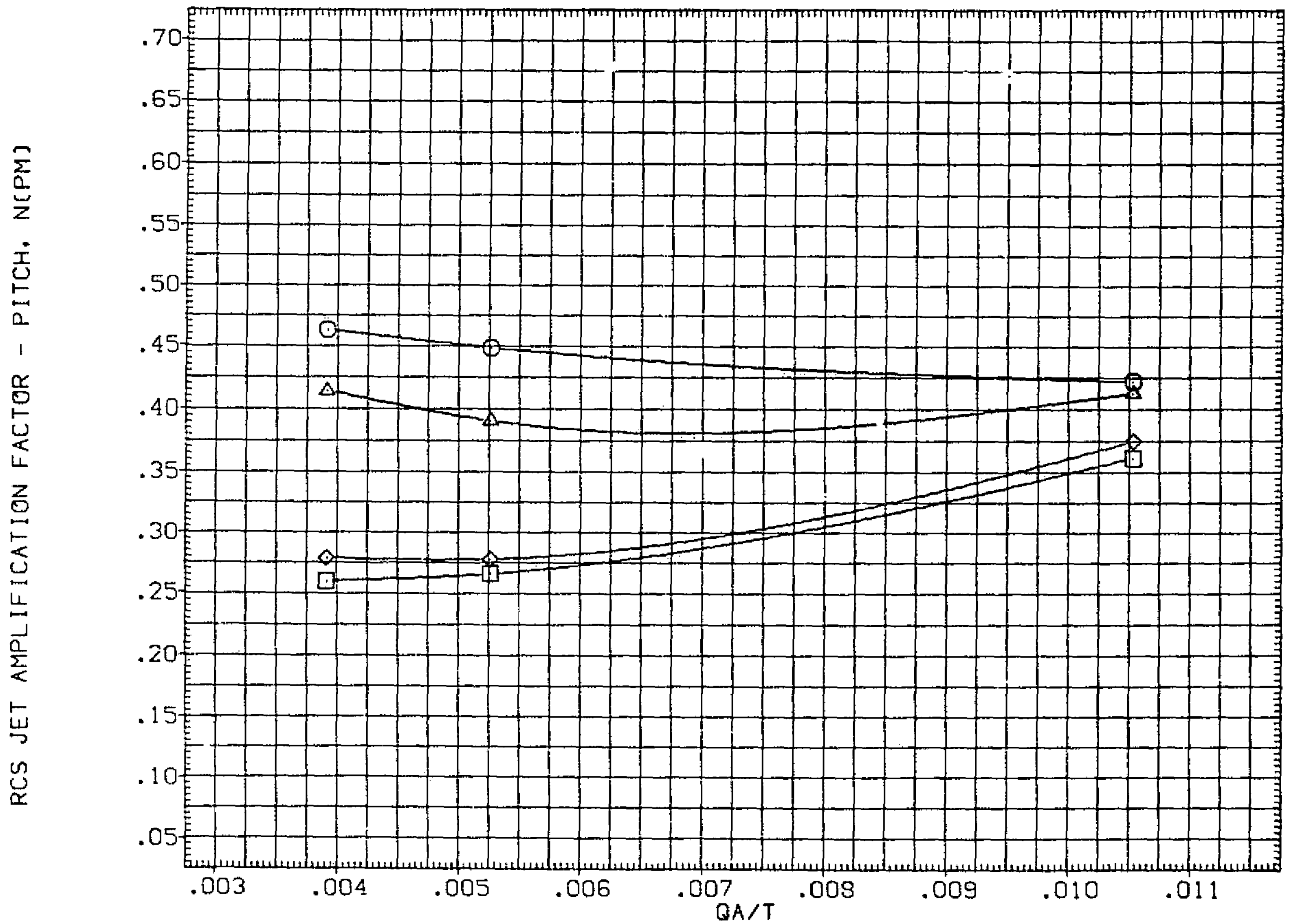


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NC.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

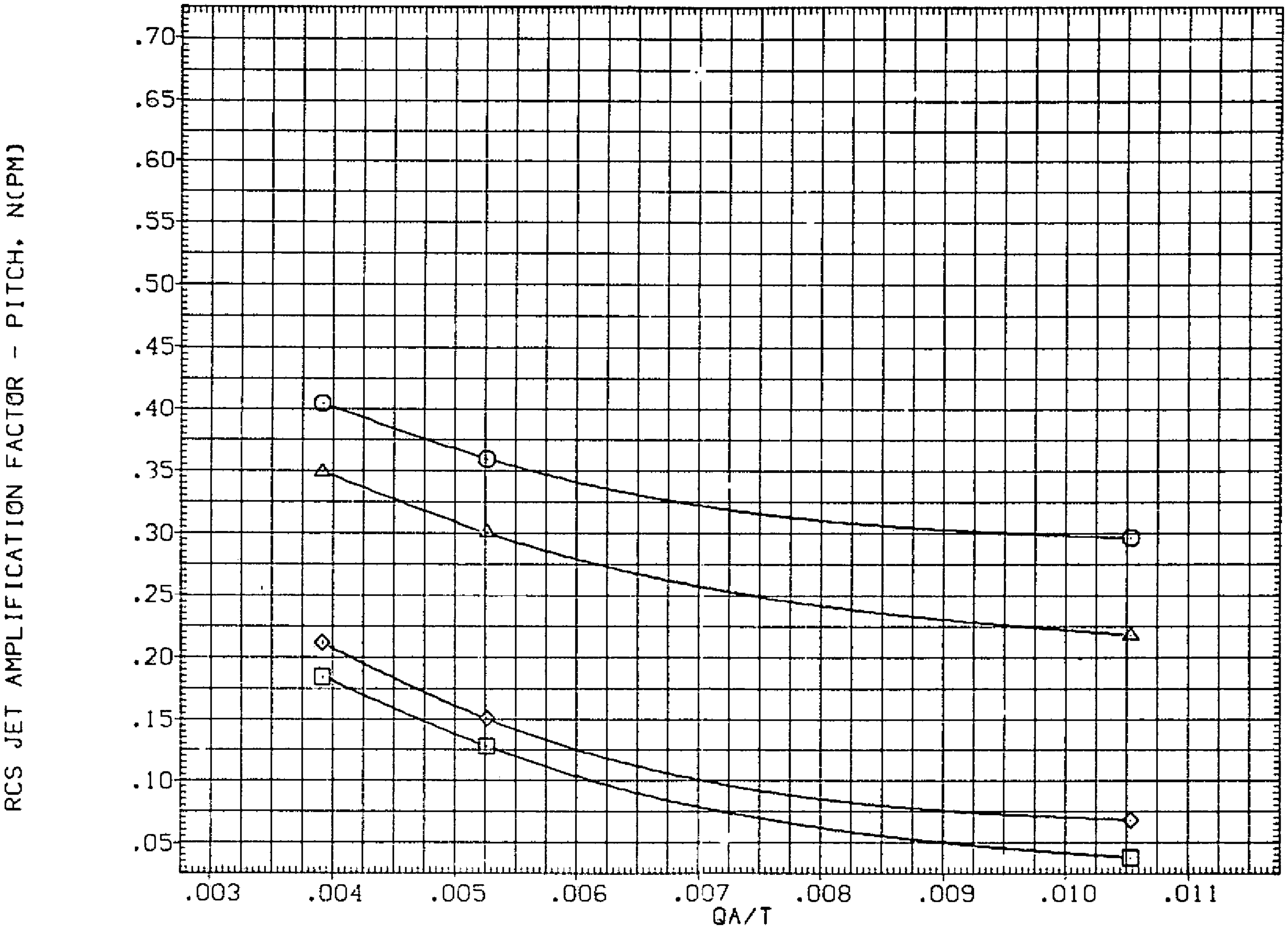


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

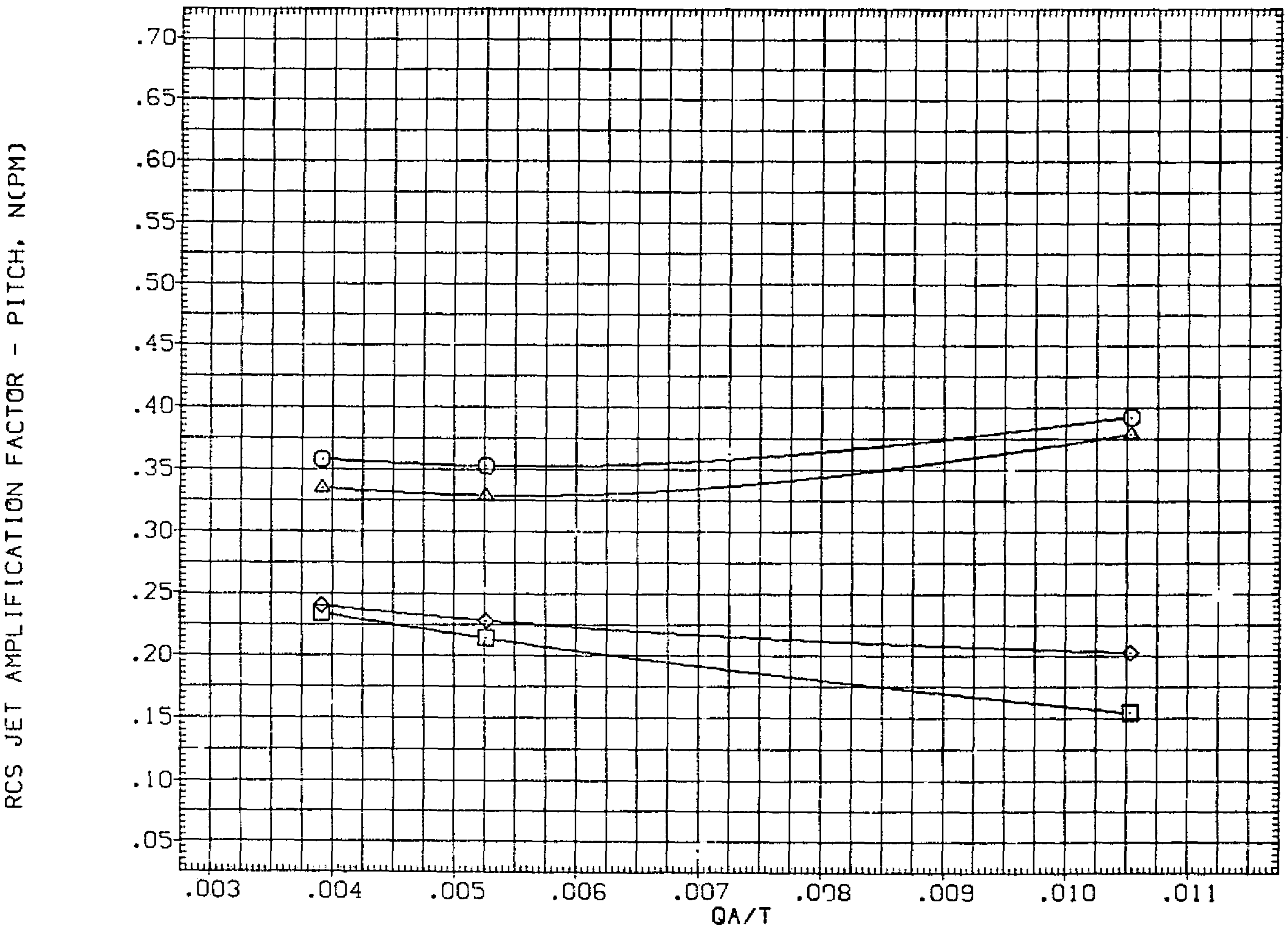


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

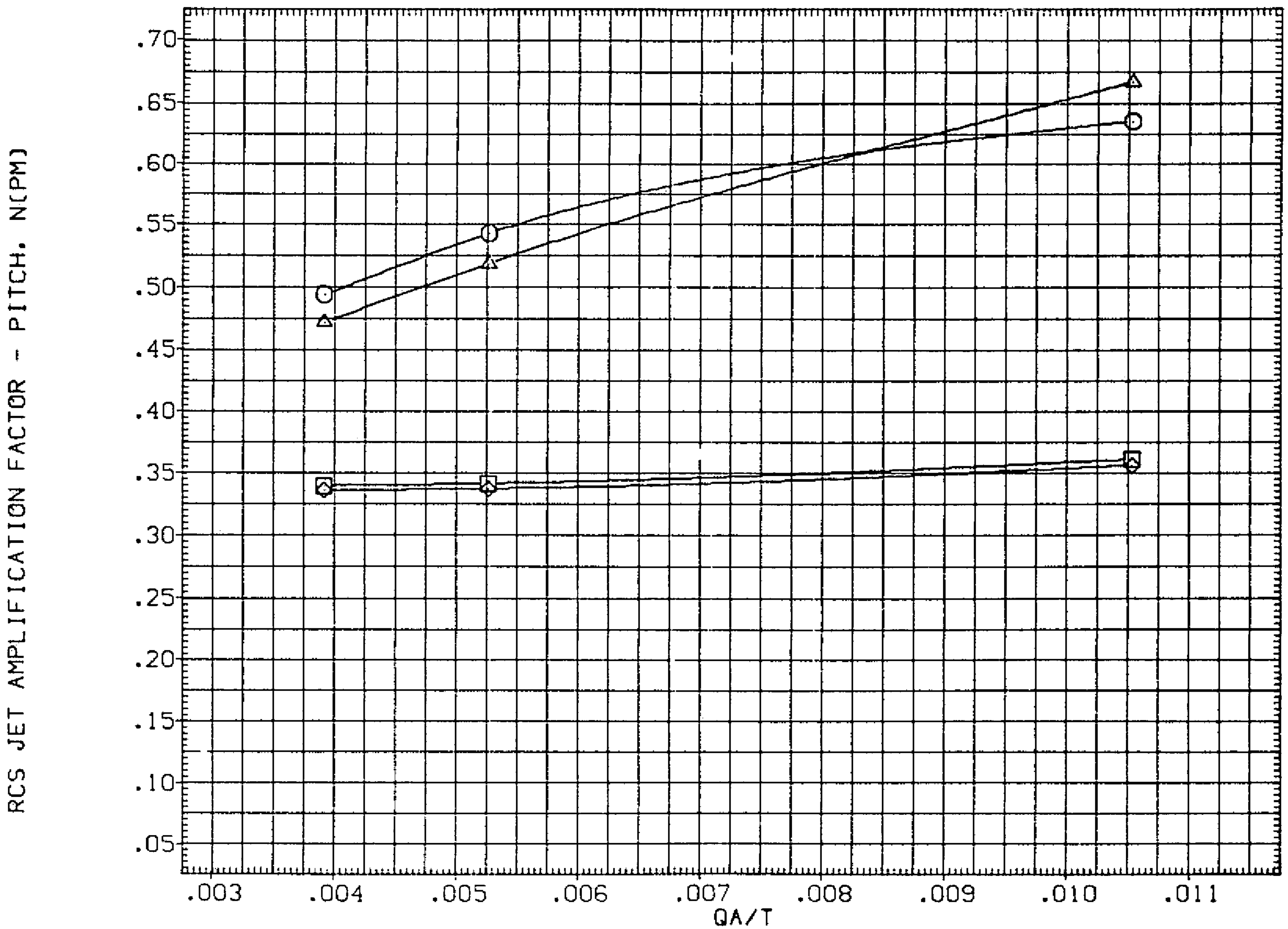


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

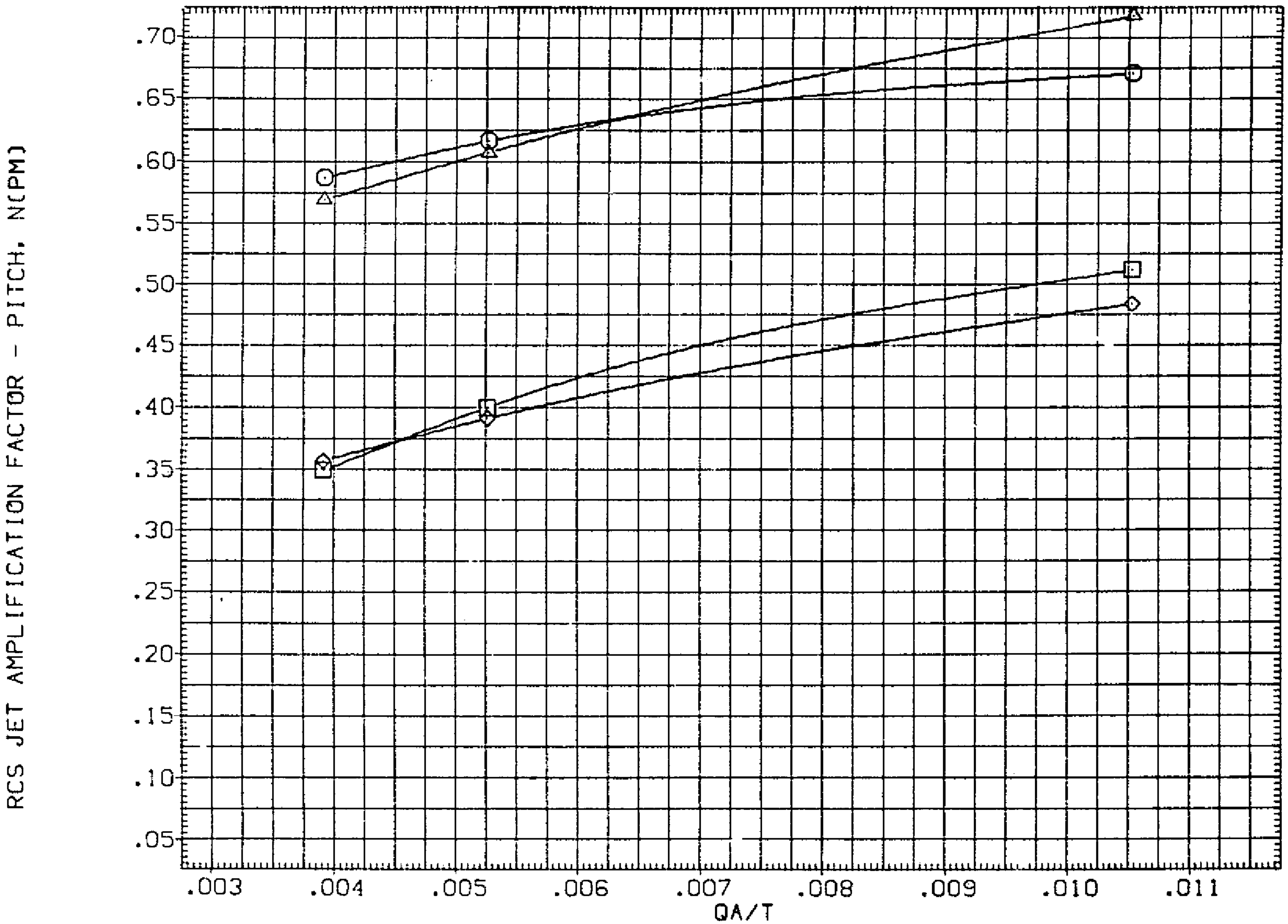


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

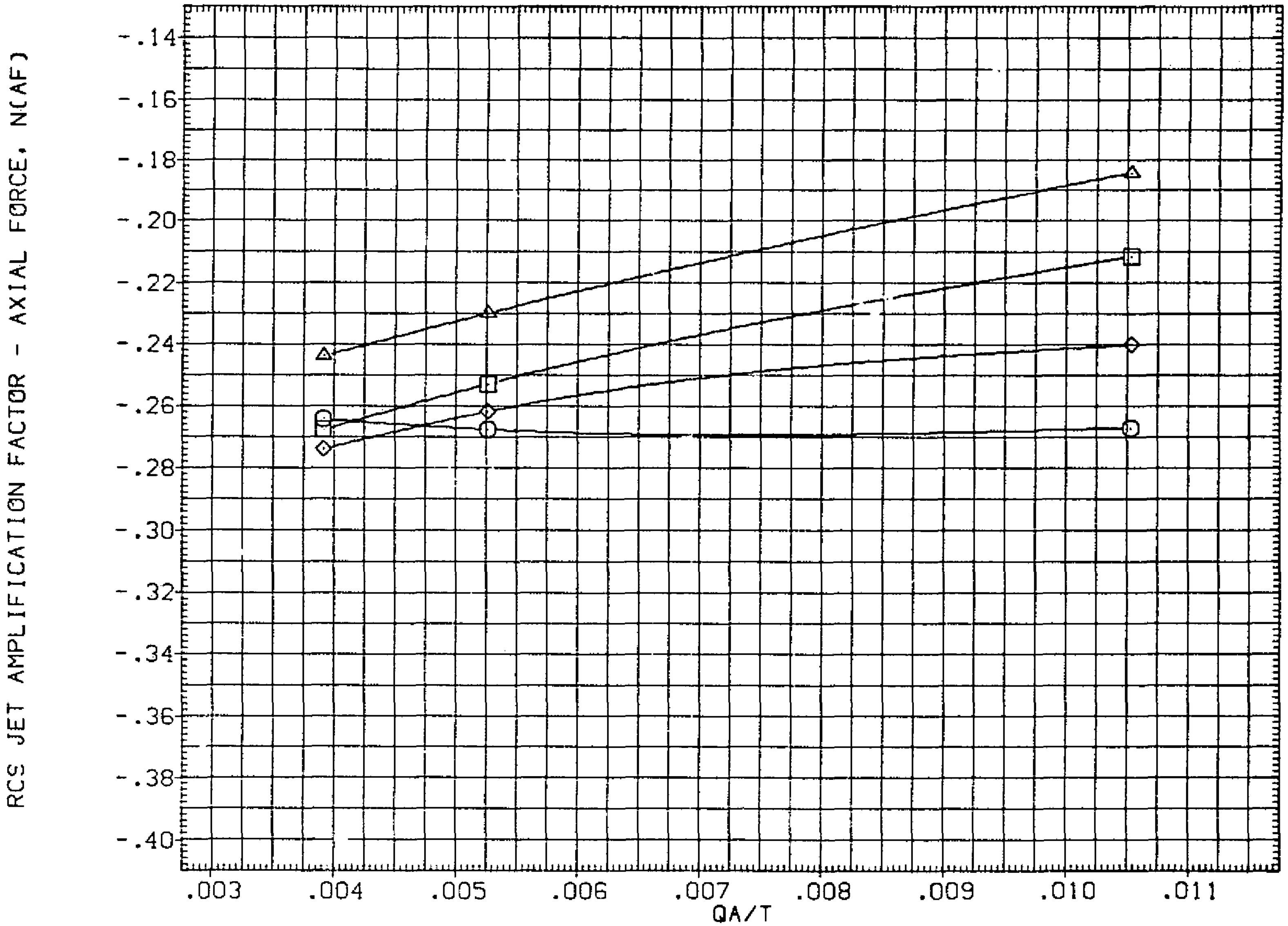


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

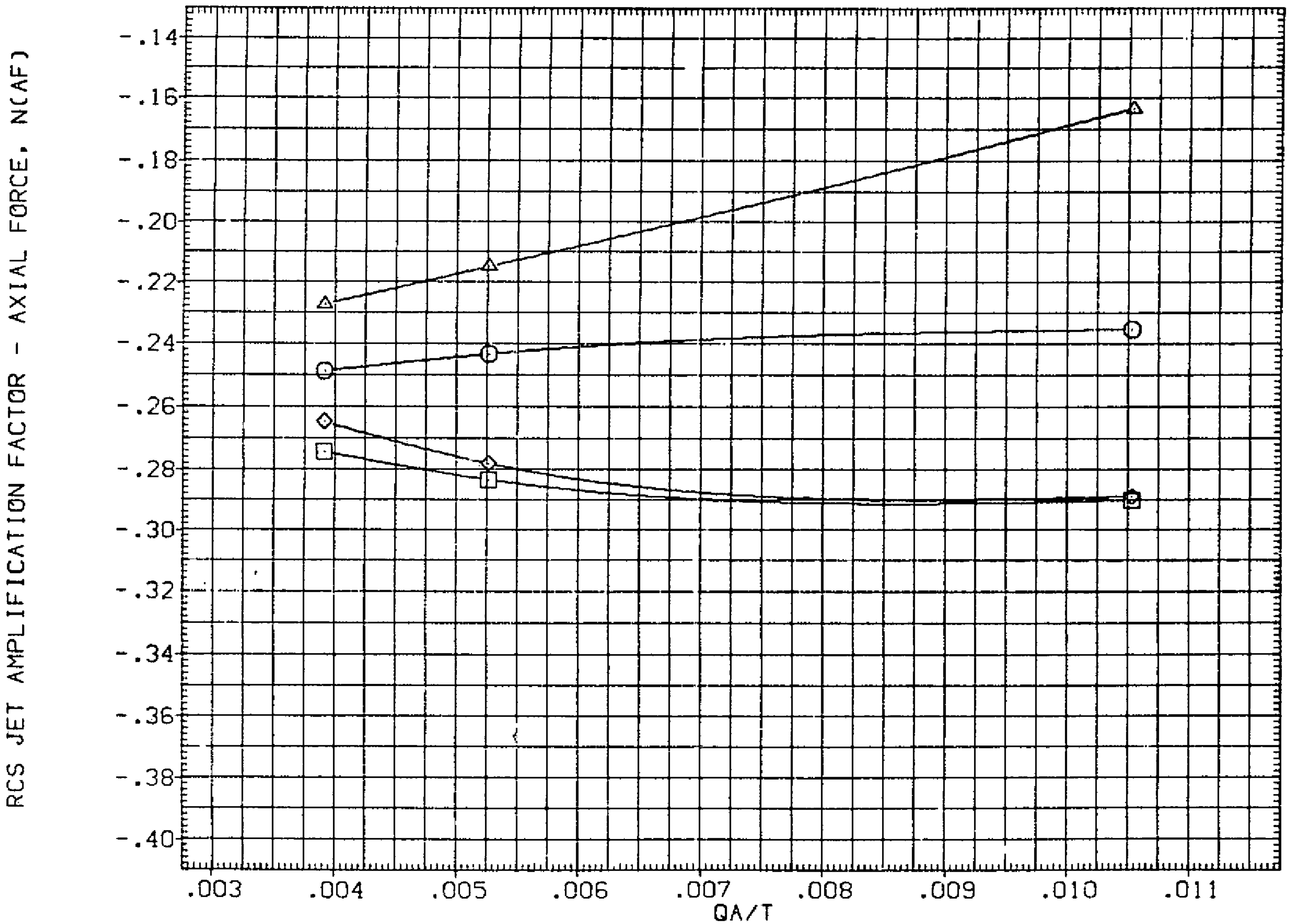


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

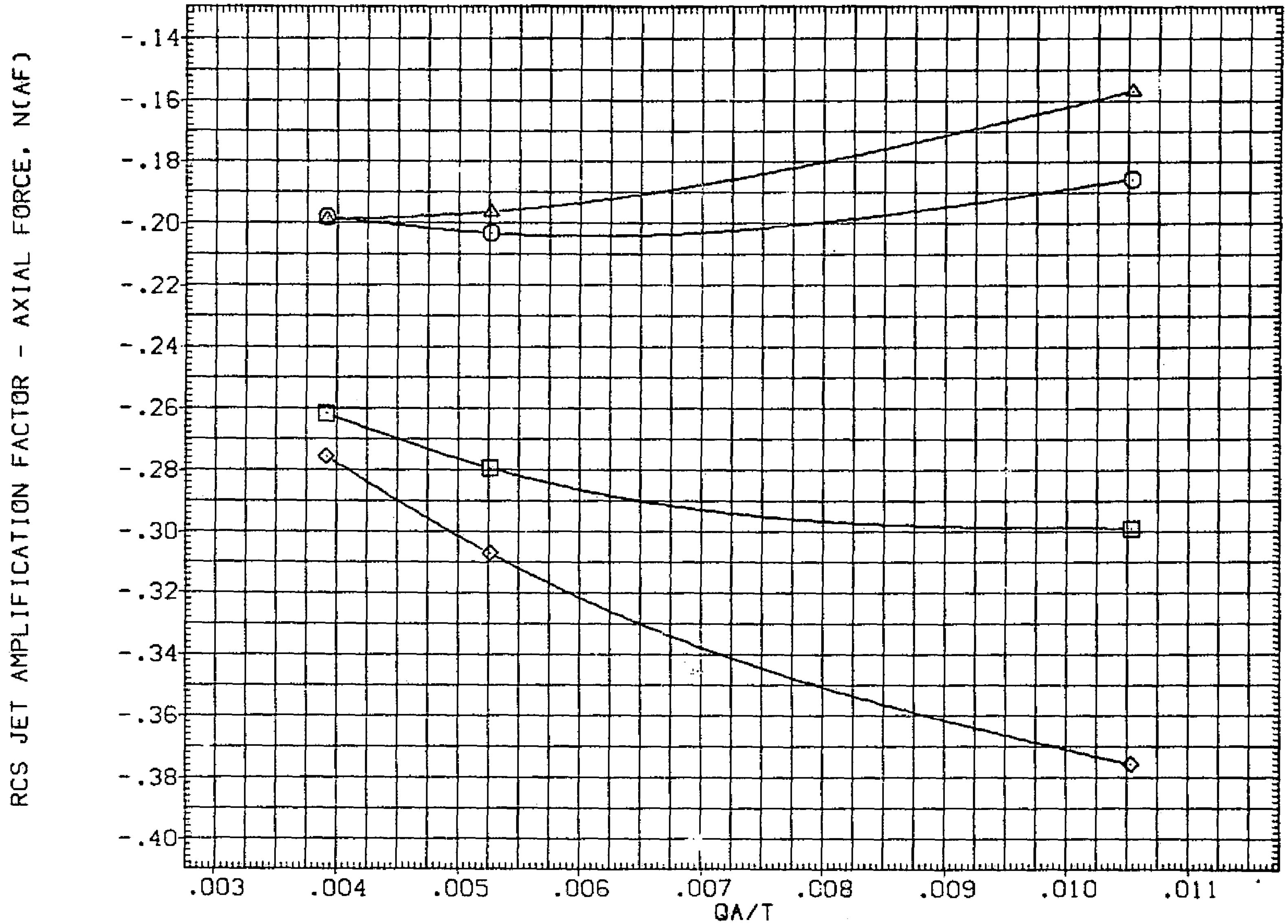


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

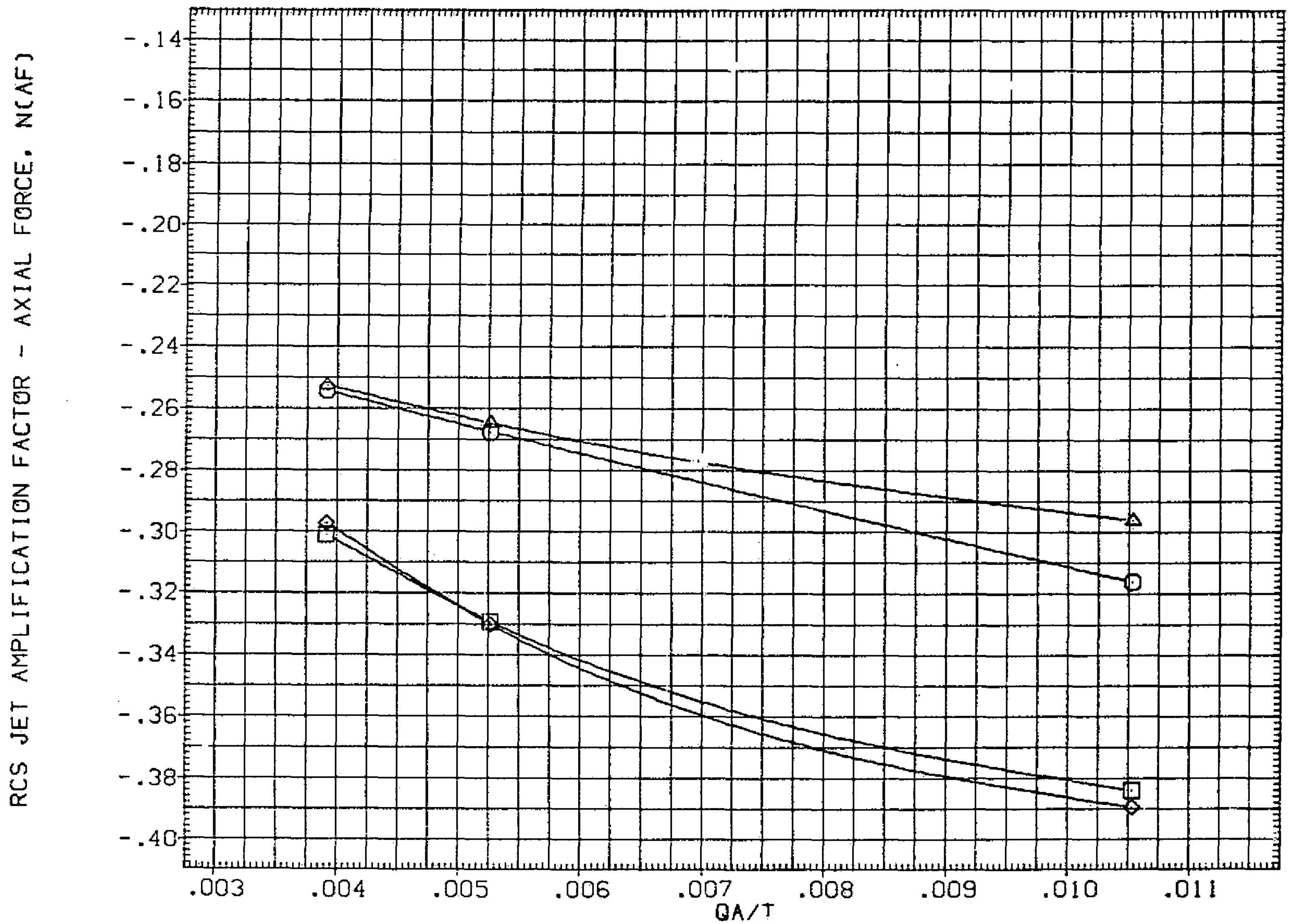


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

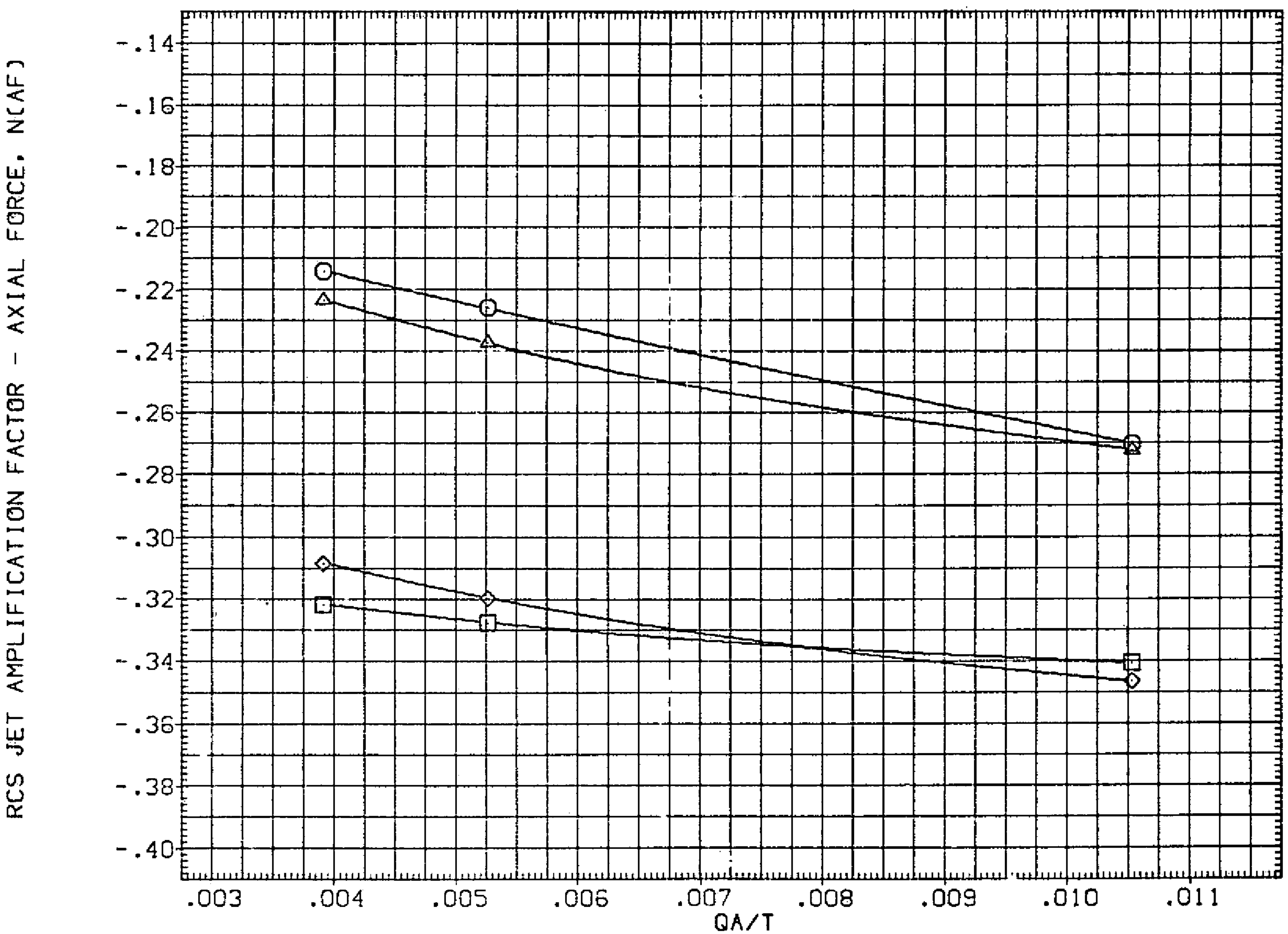


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

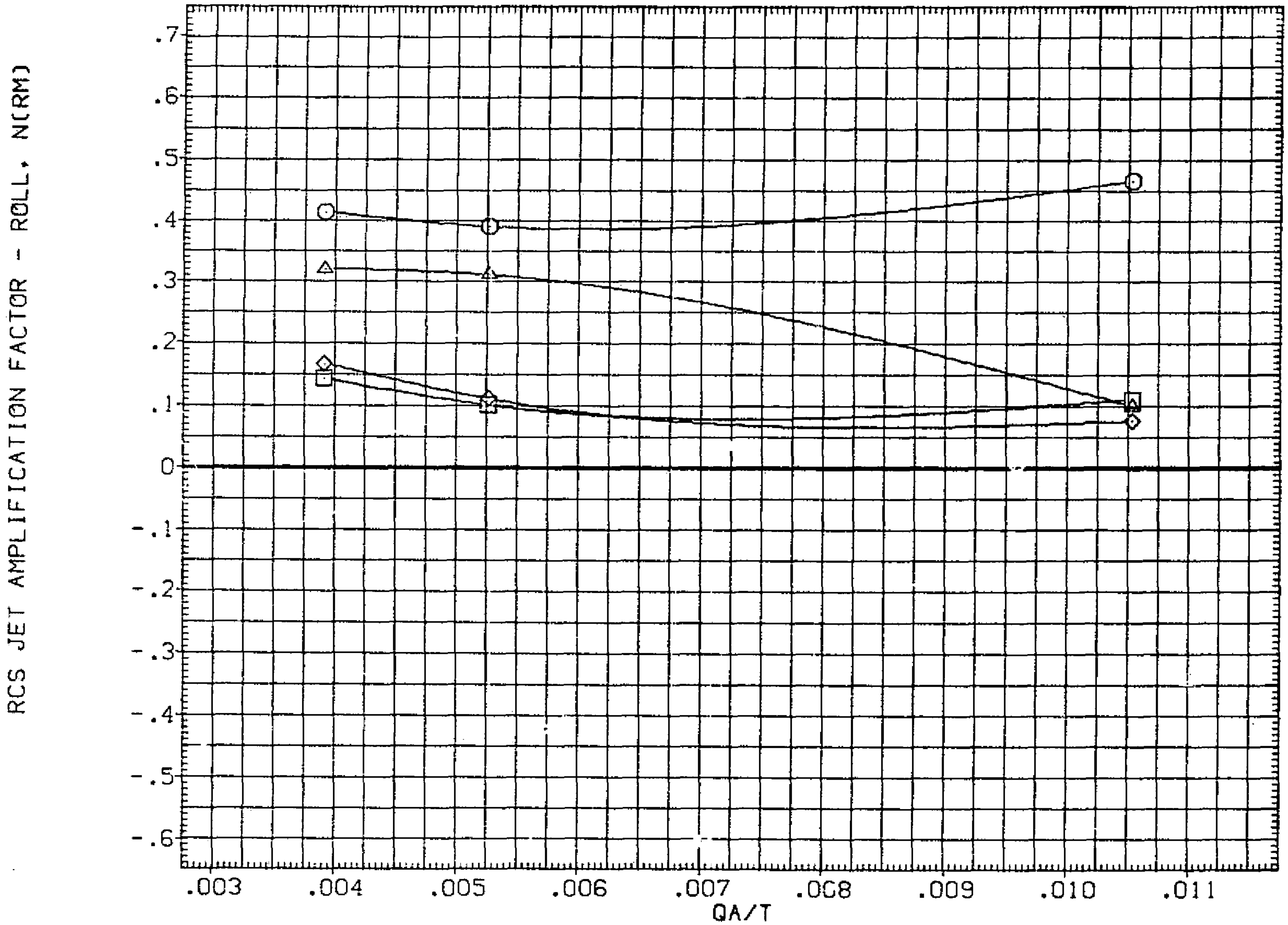


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

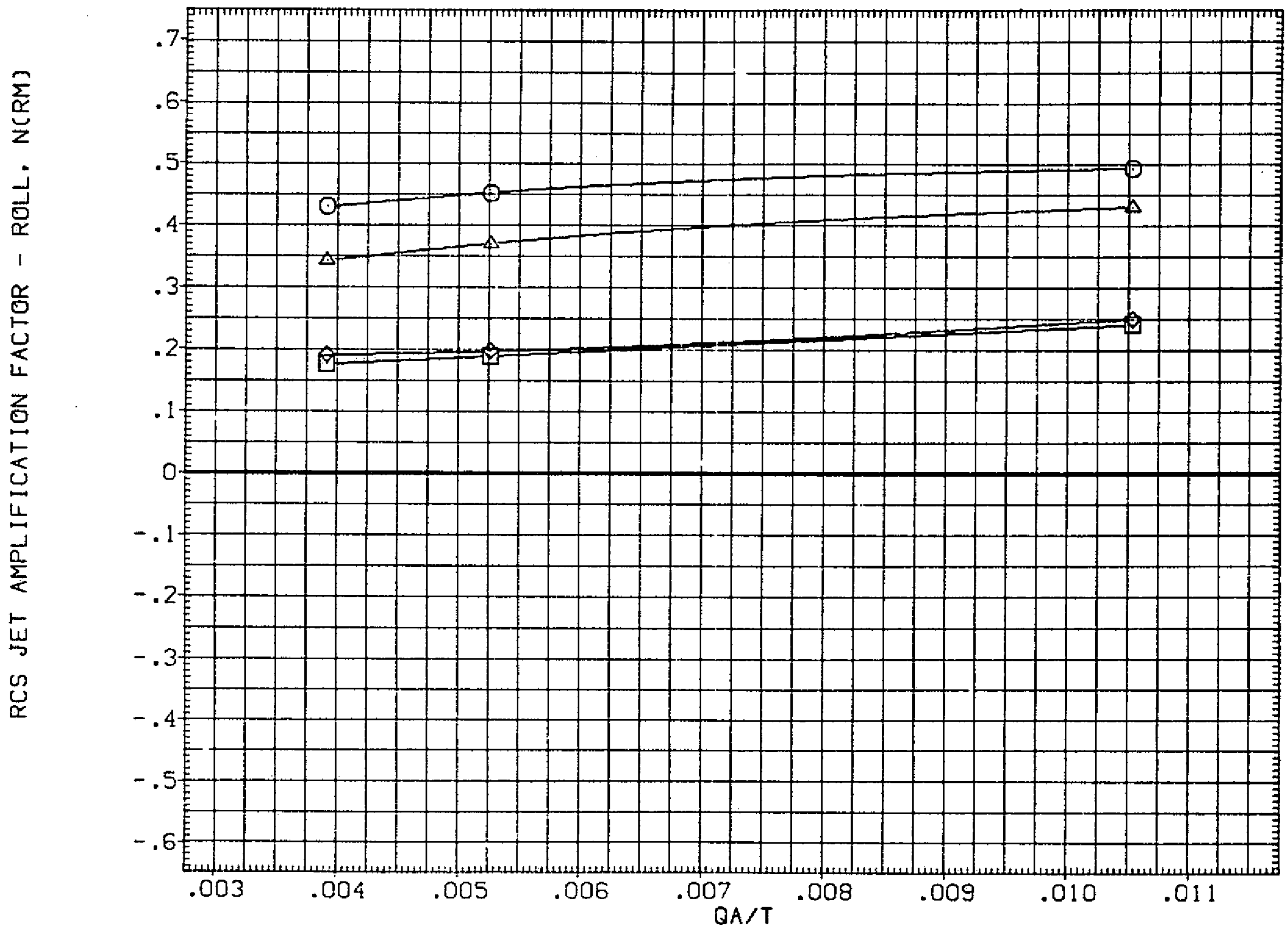


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

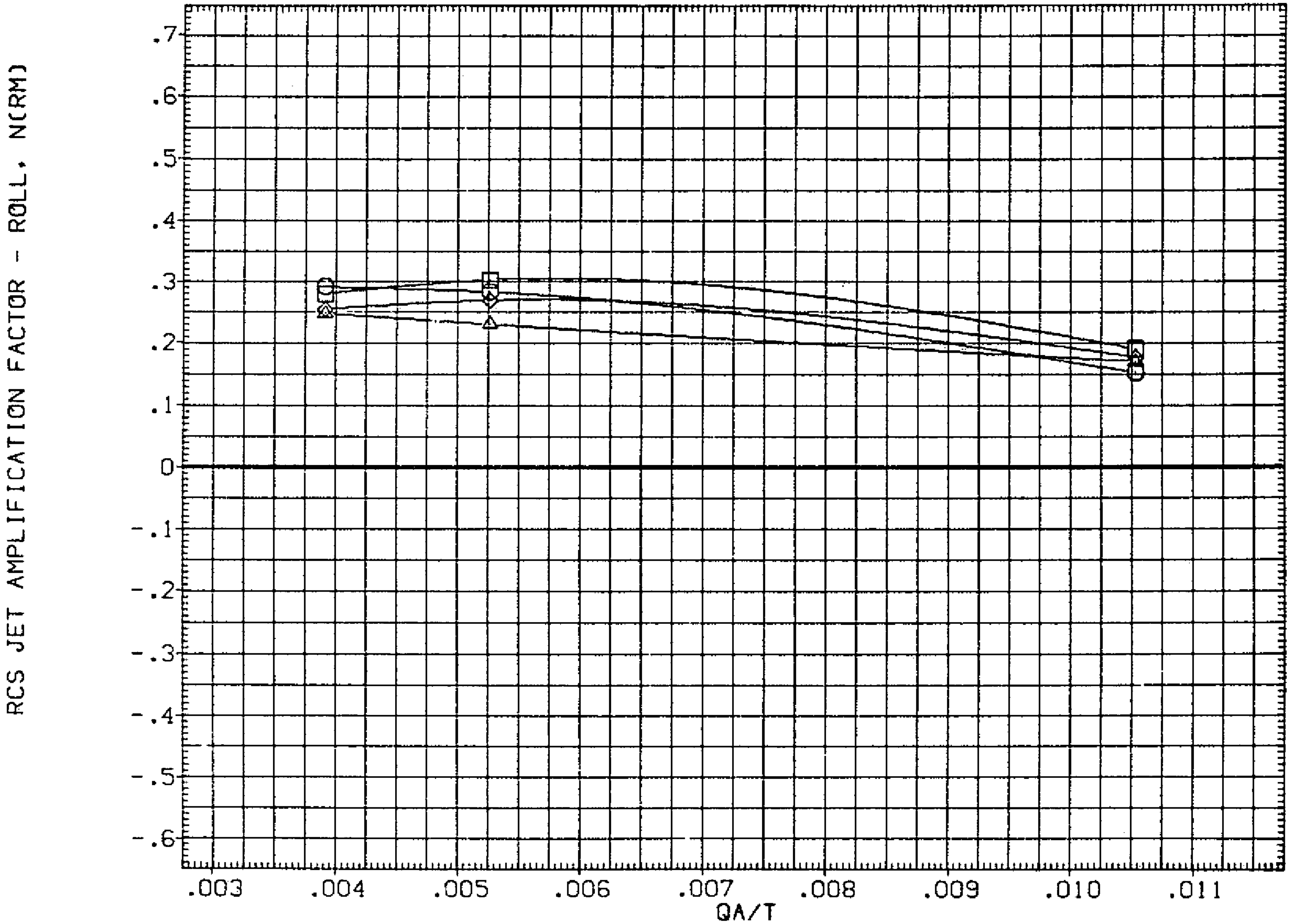


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

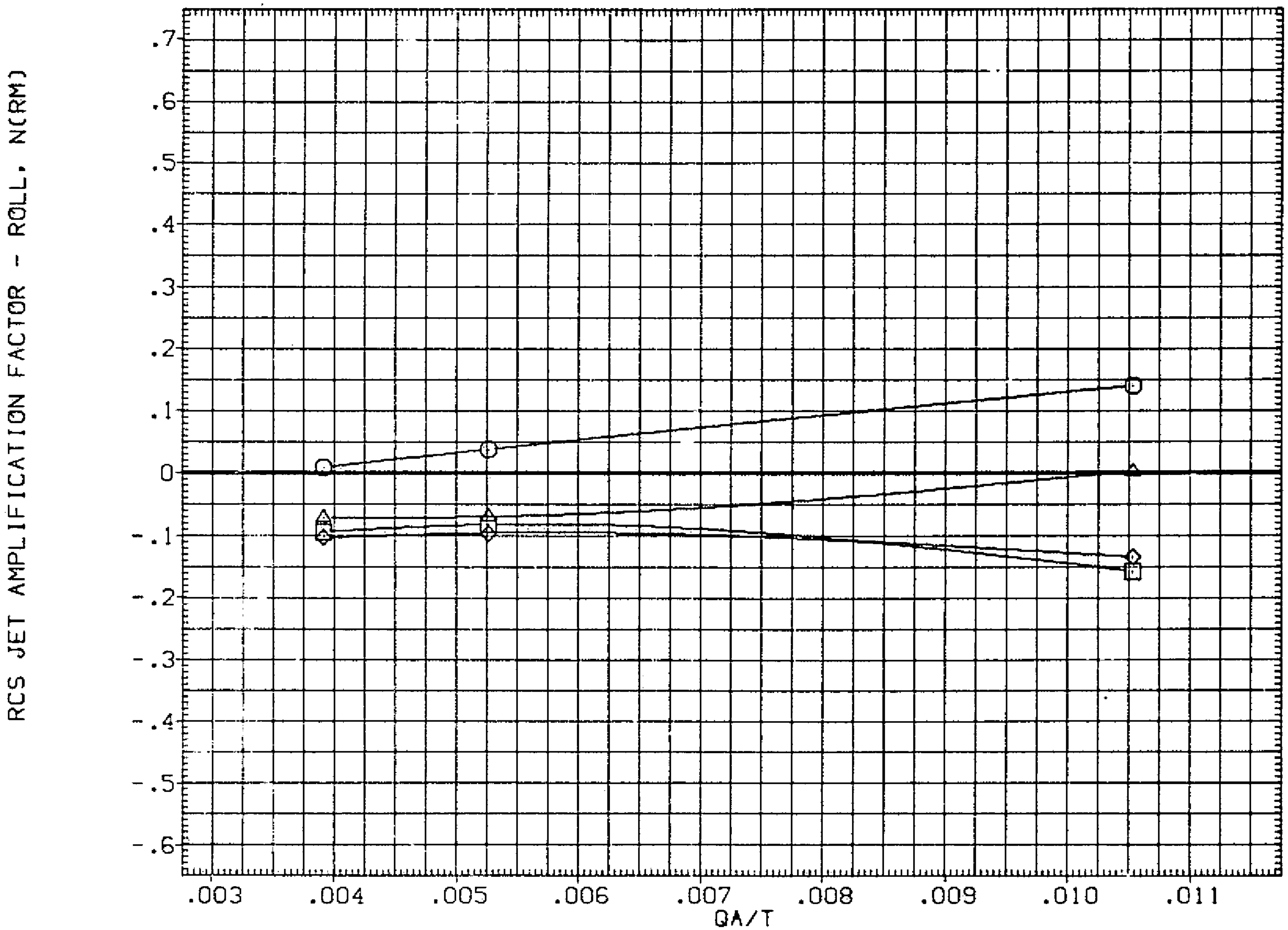


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA029)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA0 0)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

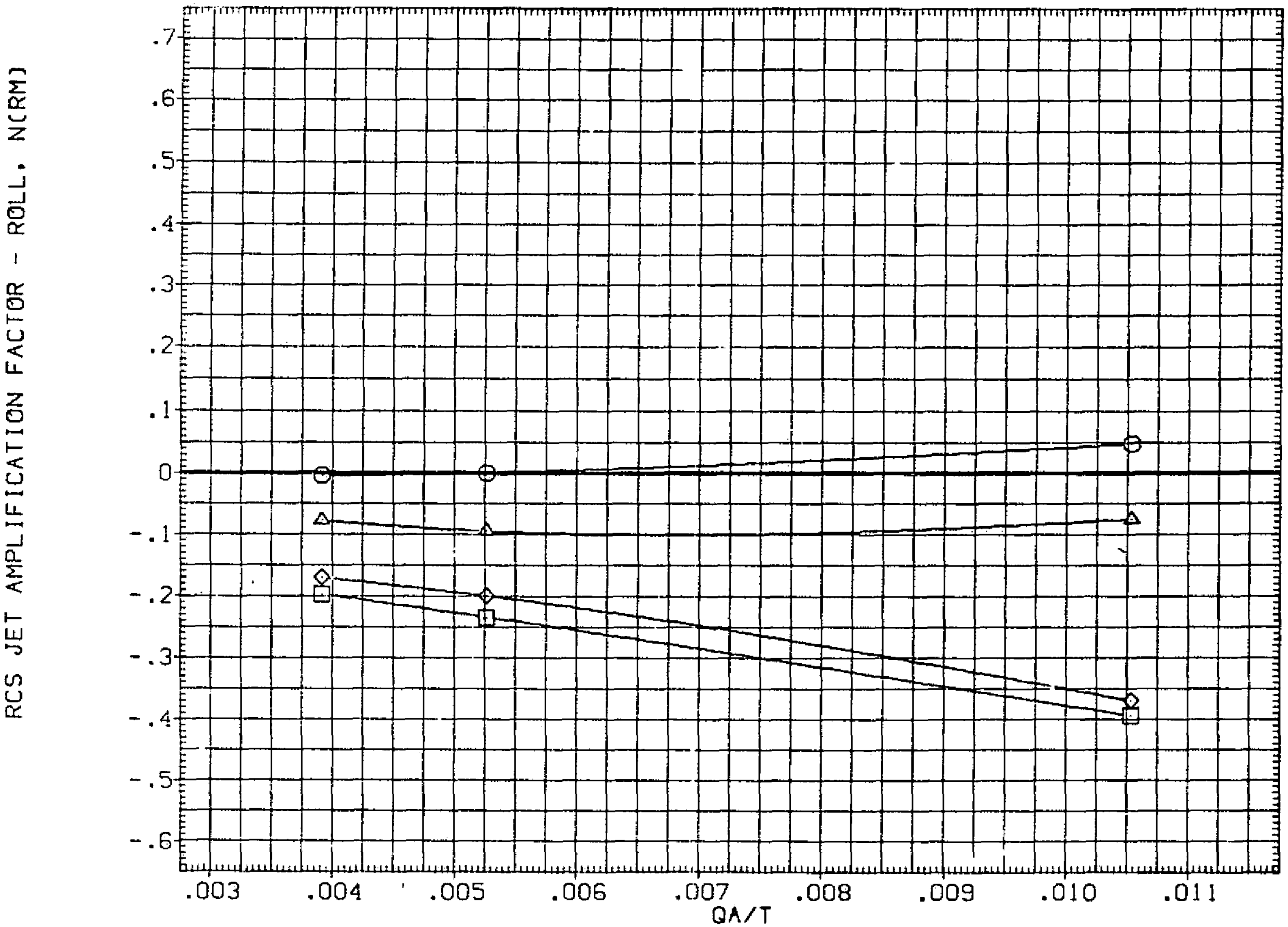


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

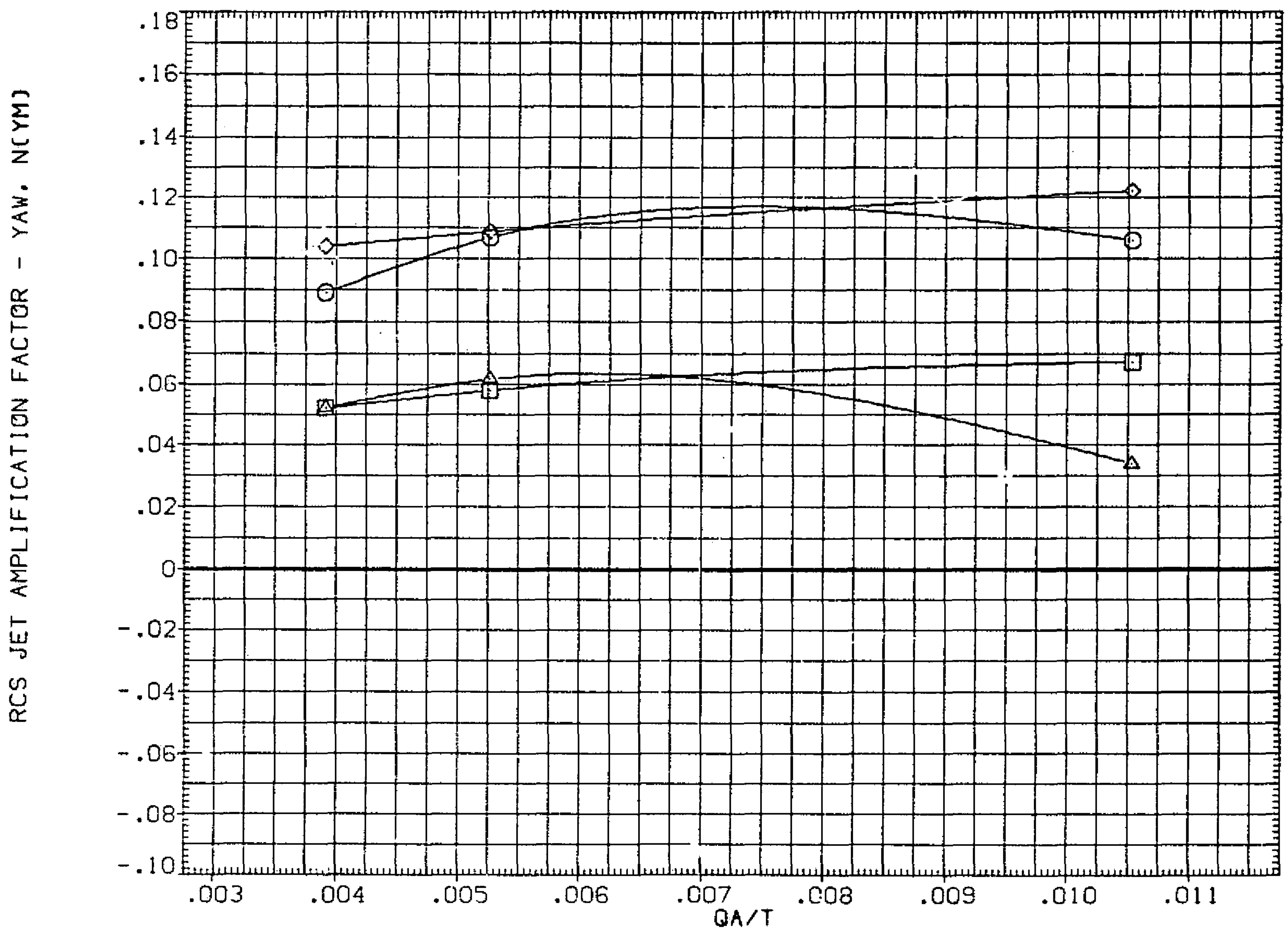


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

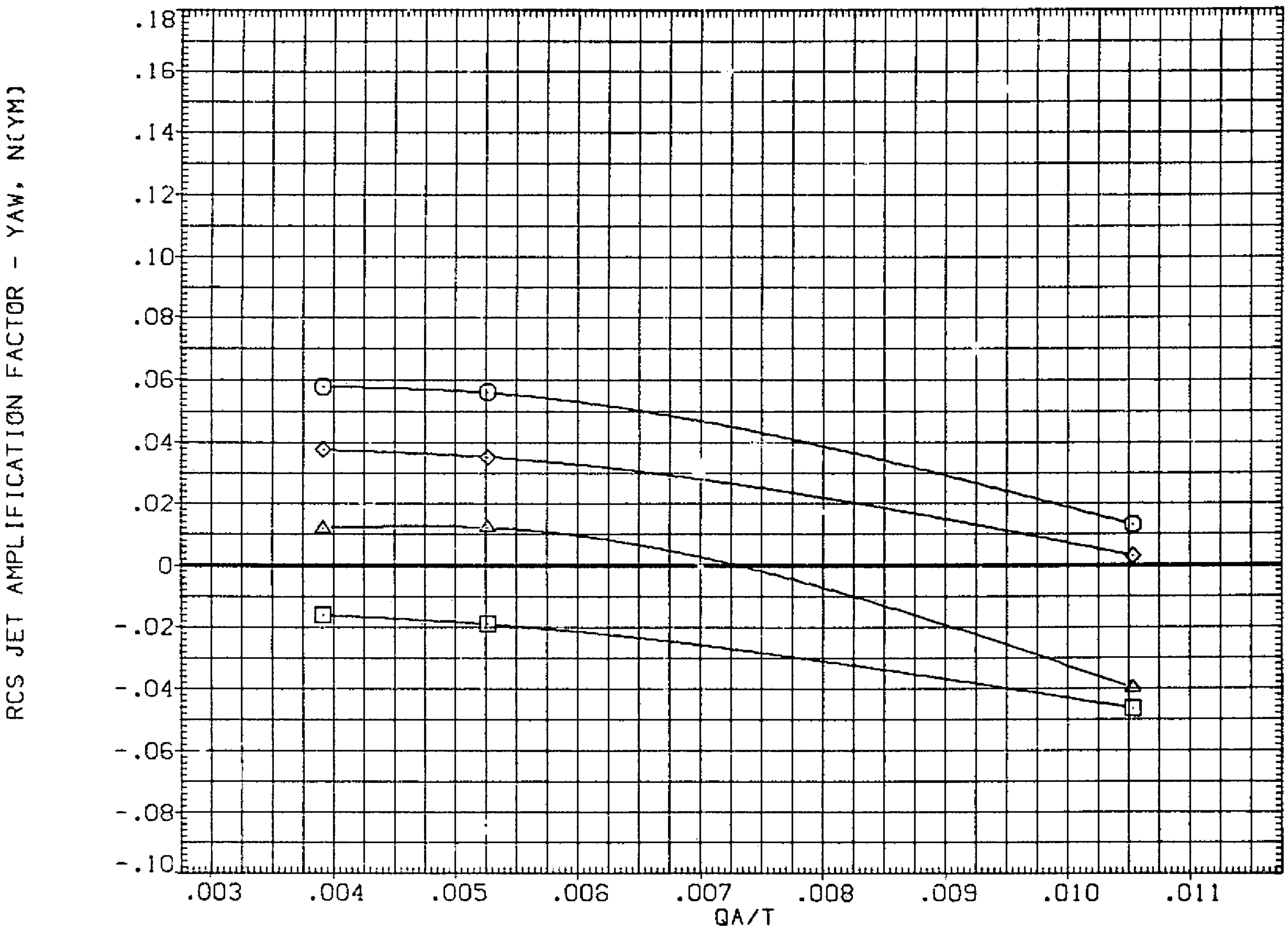


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

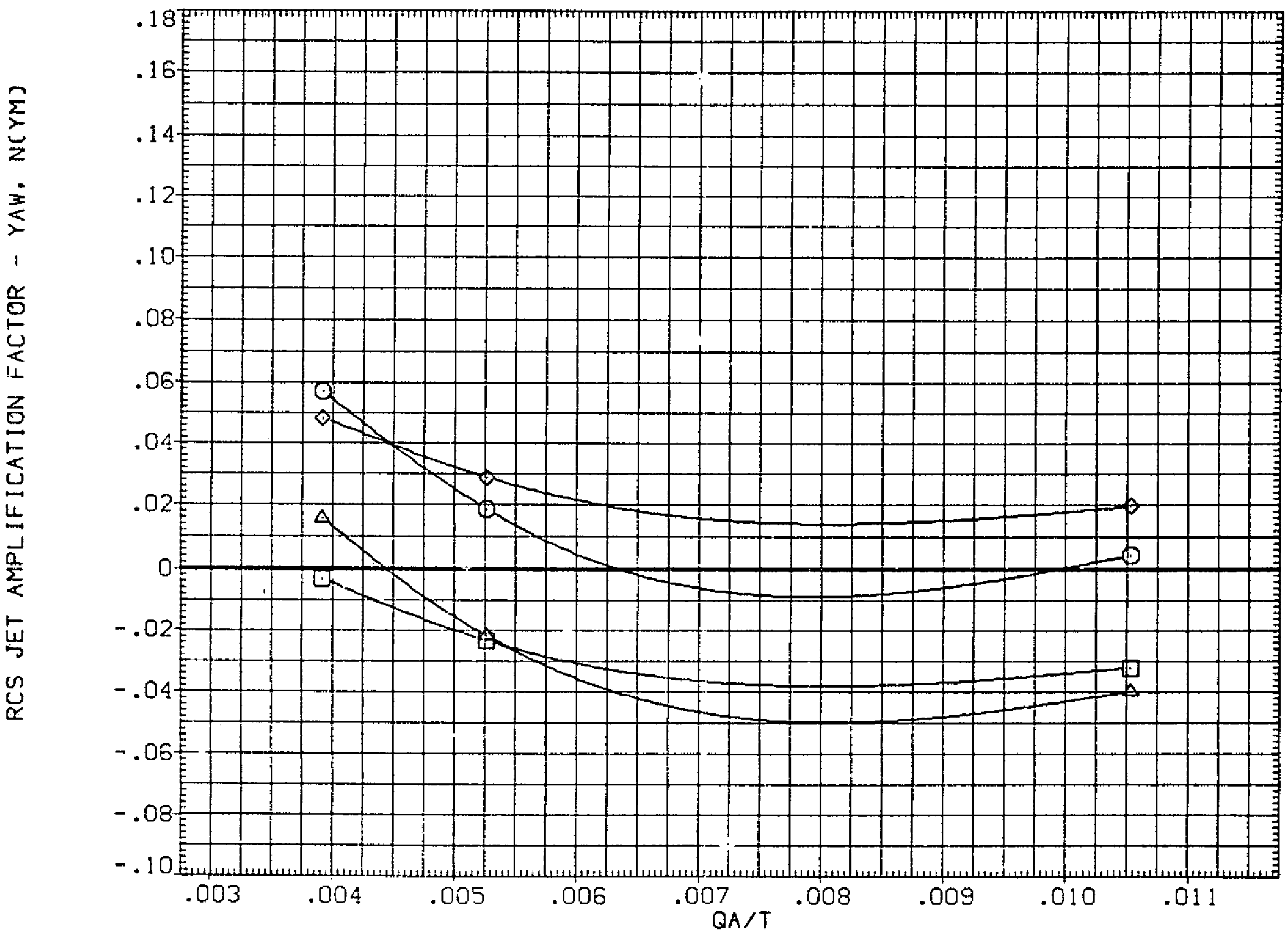


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

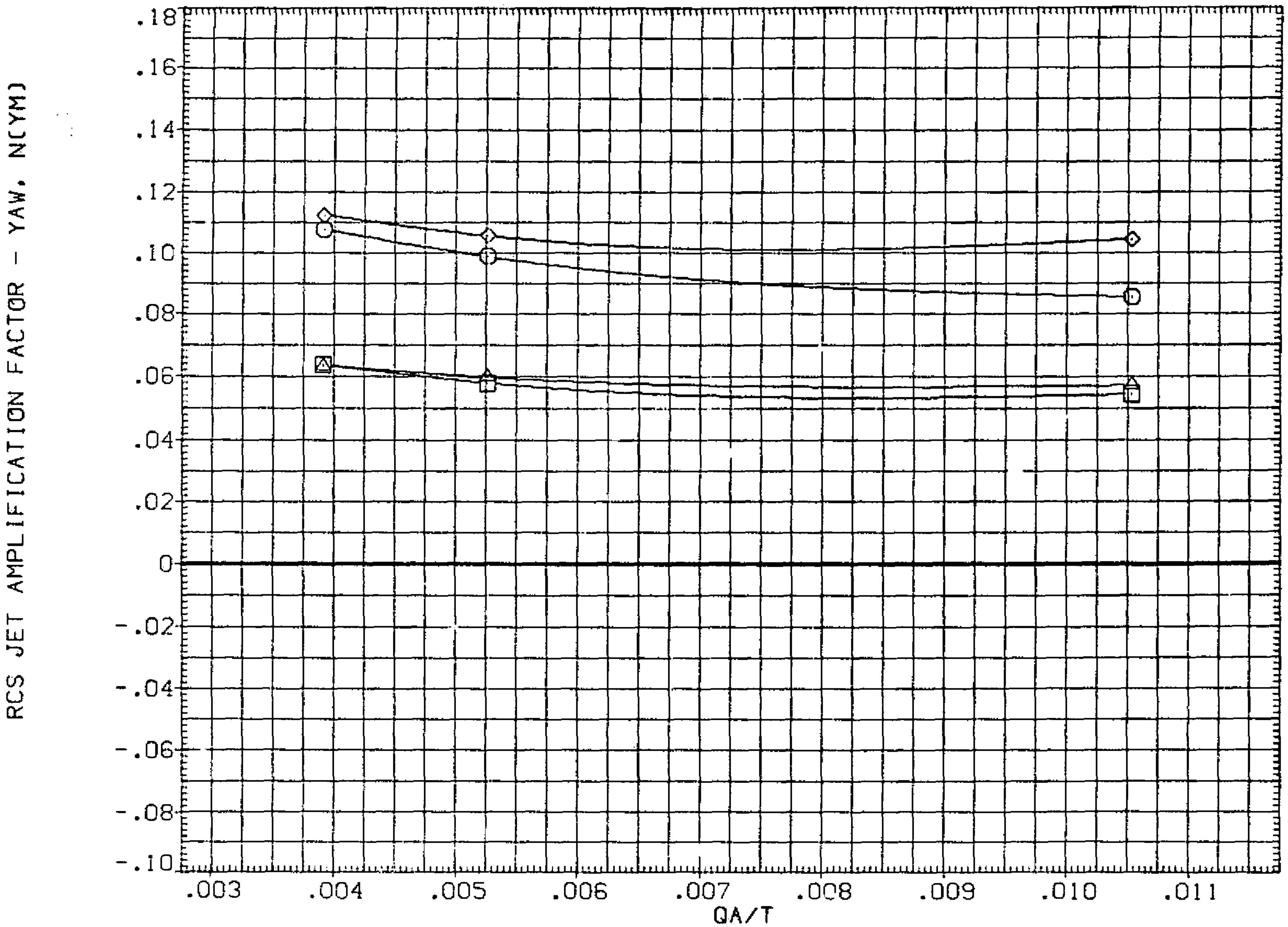


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

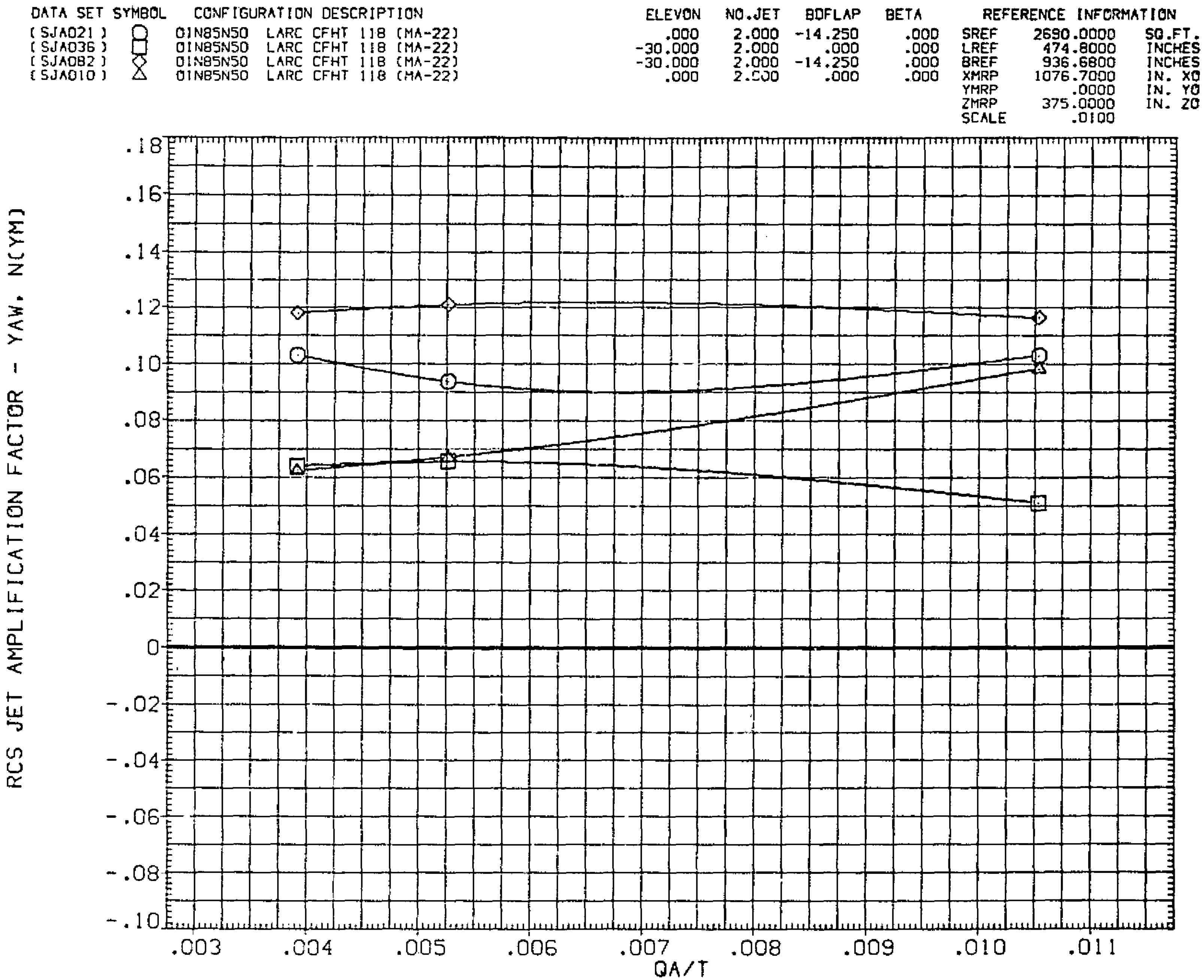


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

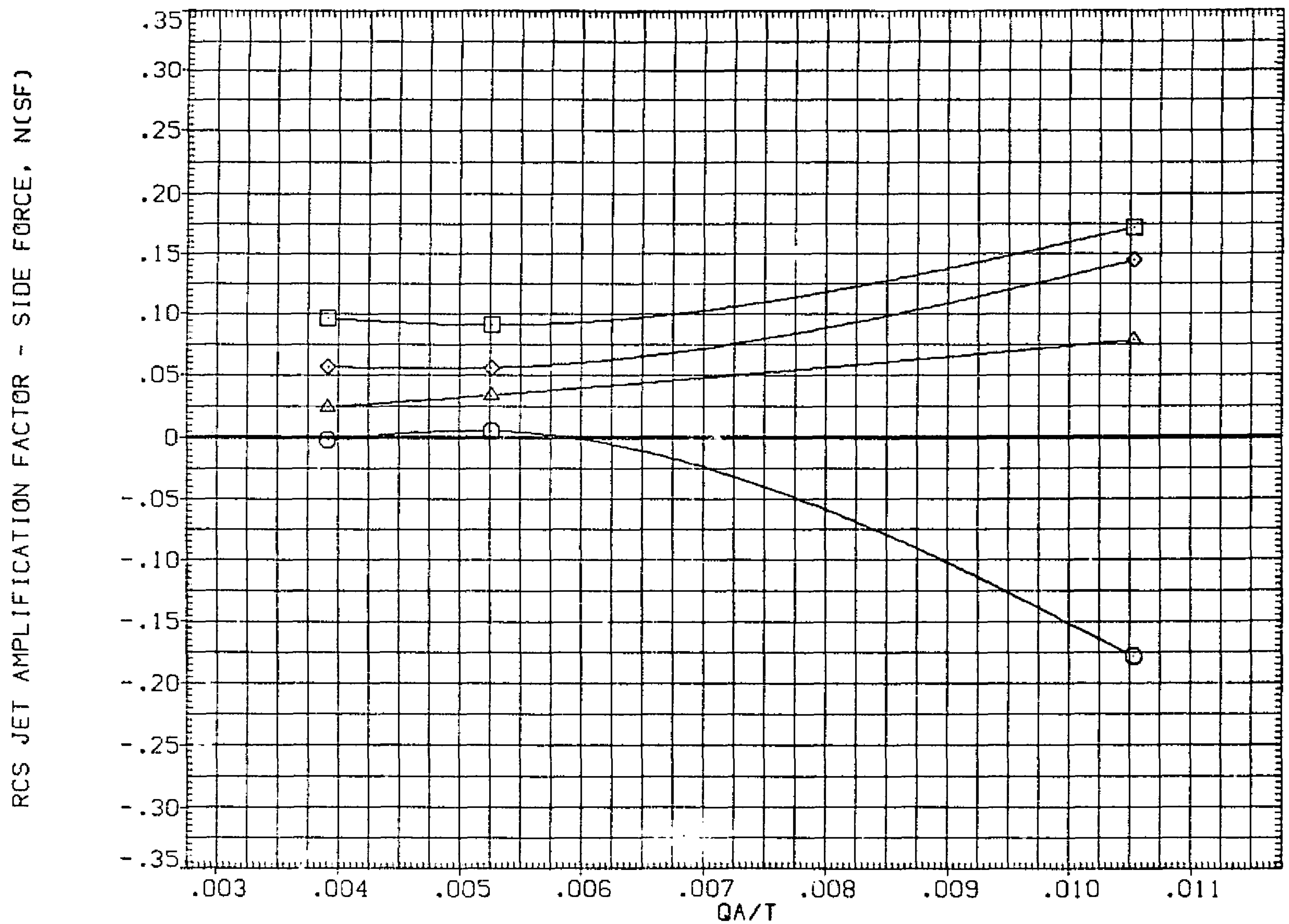


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

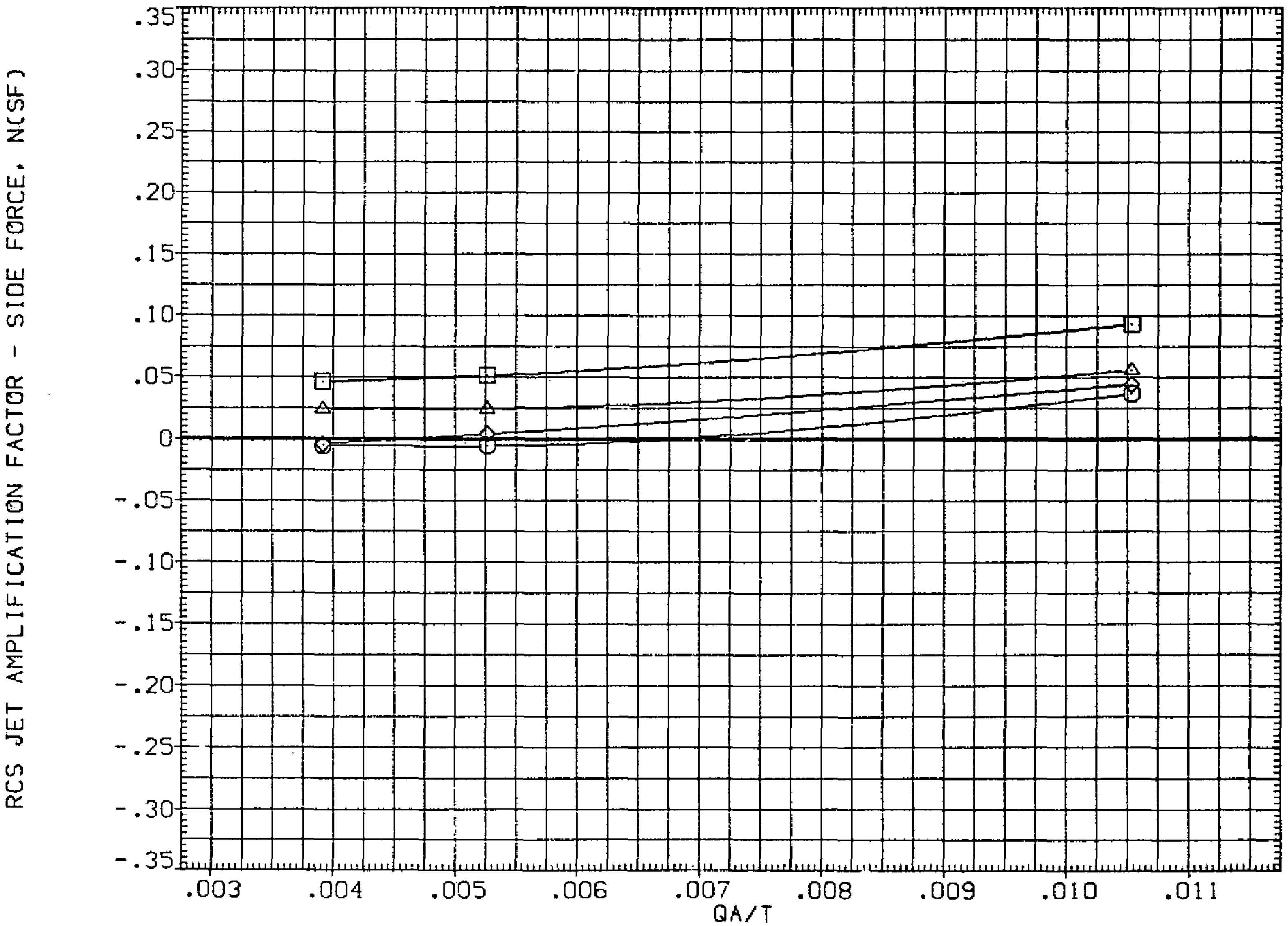


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

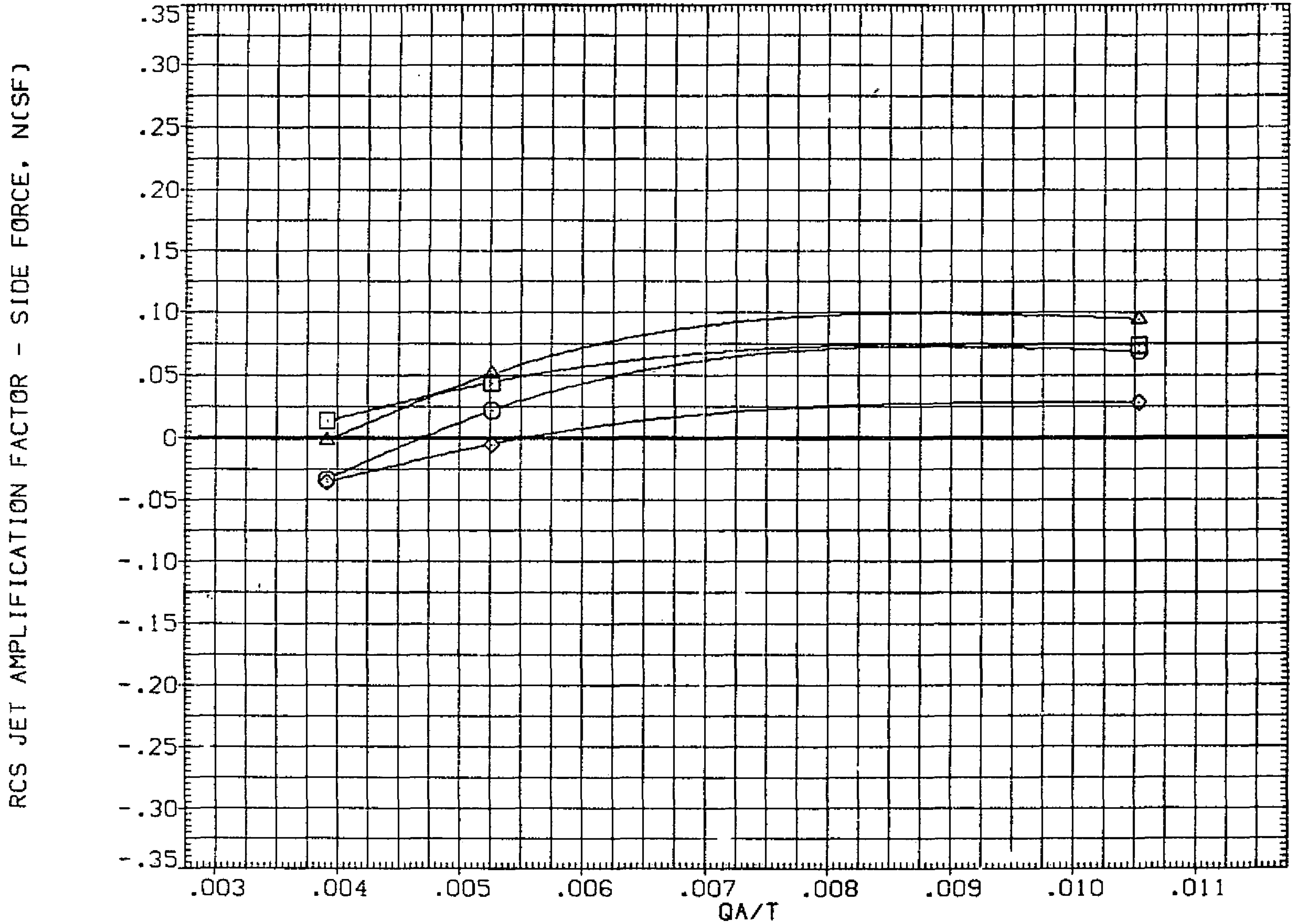


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

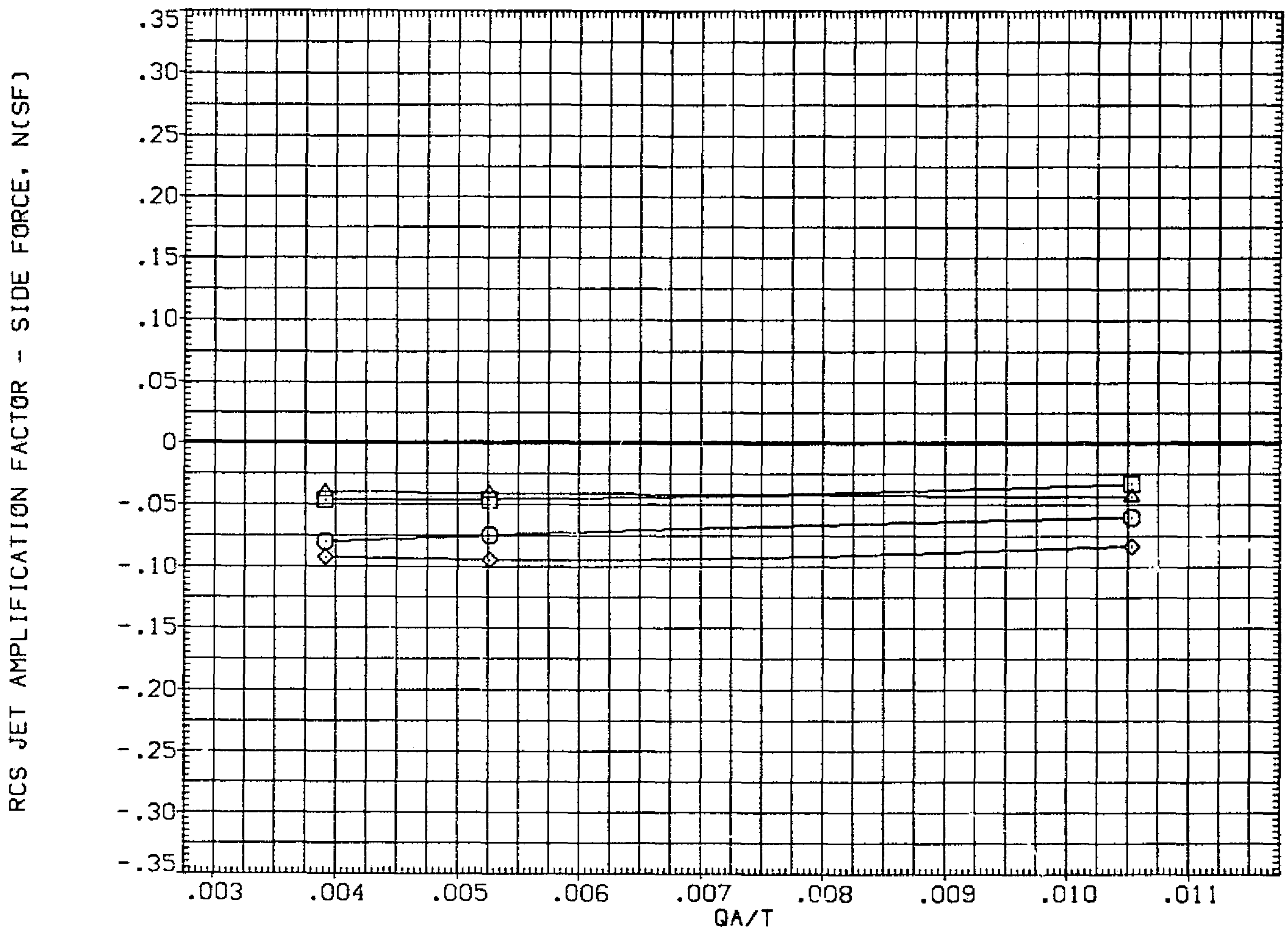


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85
(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA021)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA036)	□	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	.000	.000
(SJA082)	◇	01N85N50 LARC CFHT 118 (MA-22)	-30.000	2.000	-14.250	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

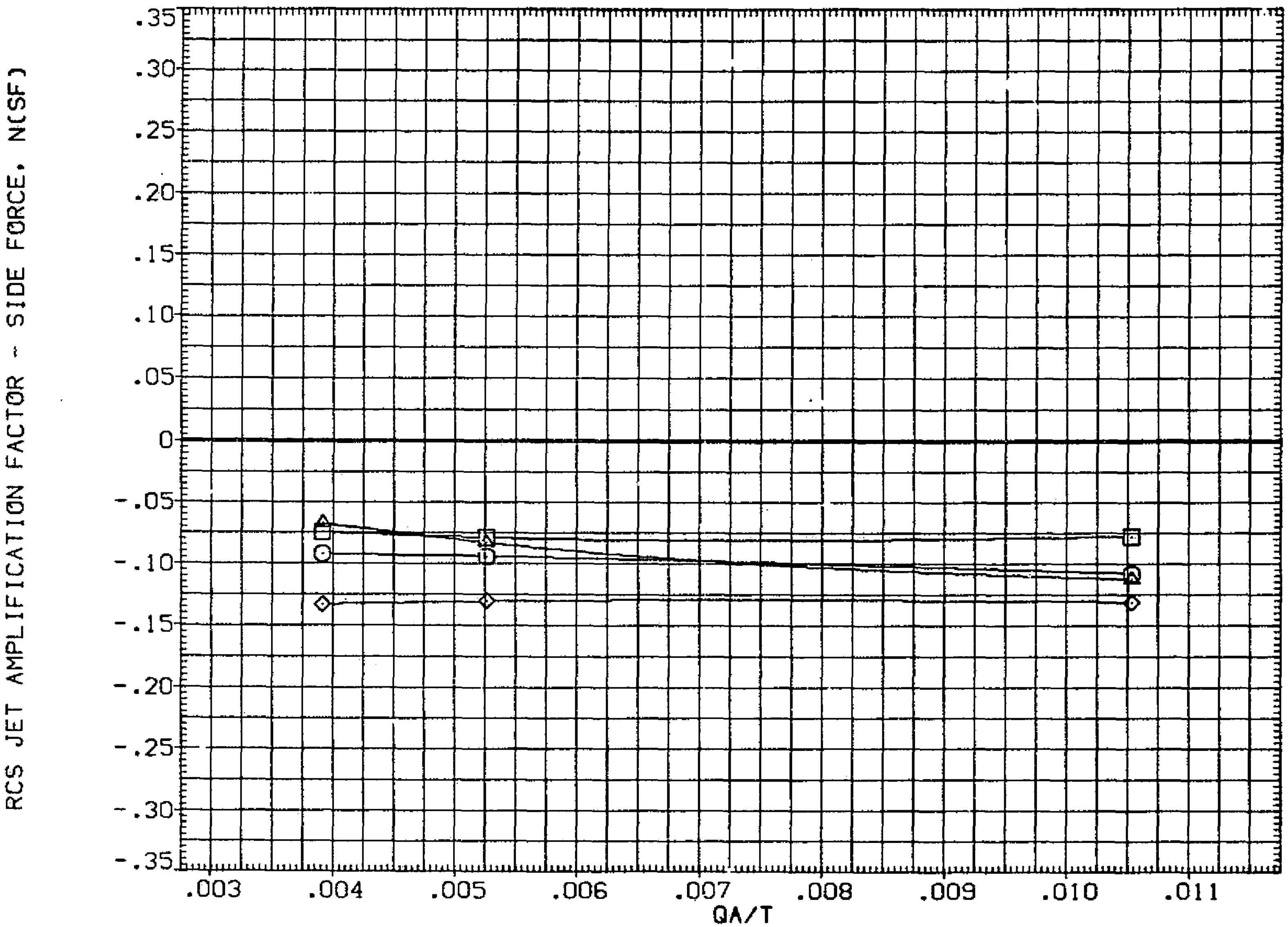


FIGURE 79. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

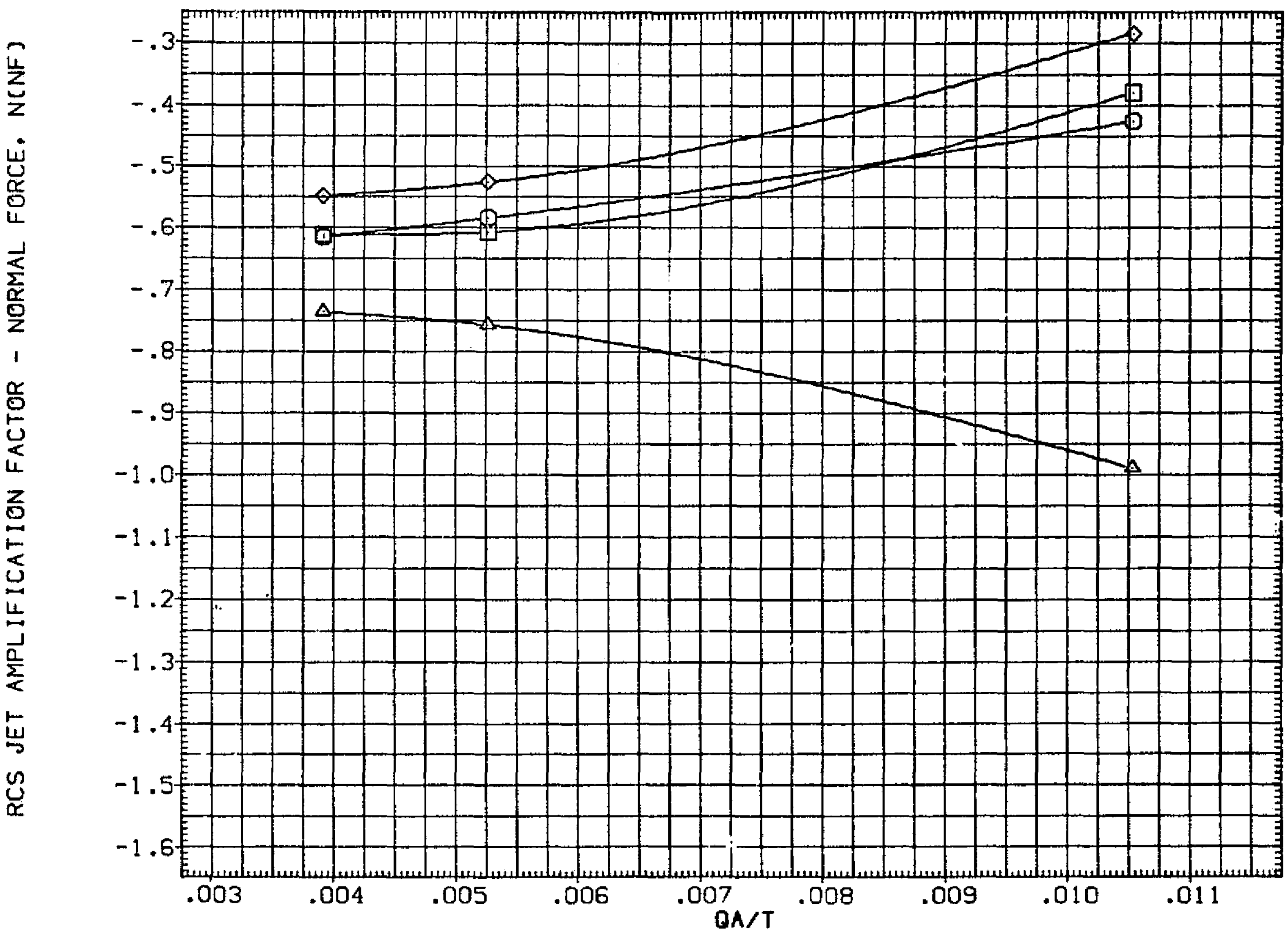


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

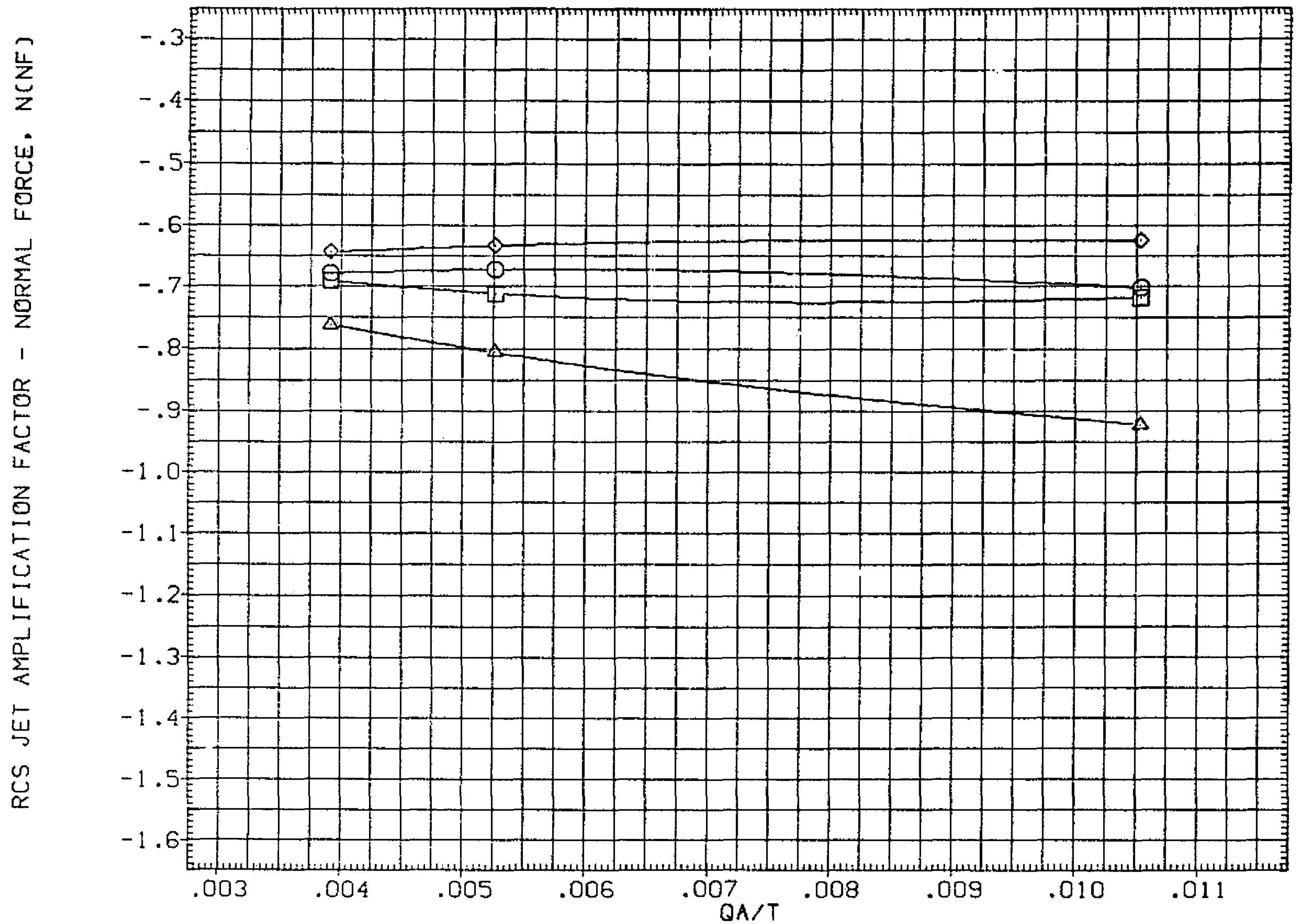


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

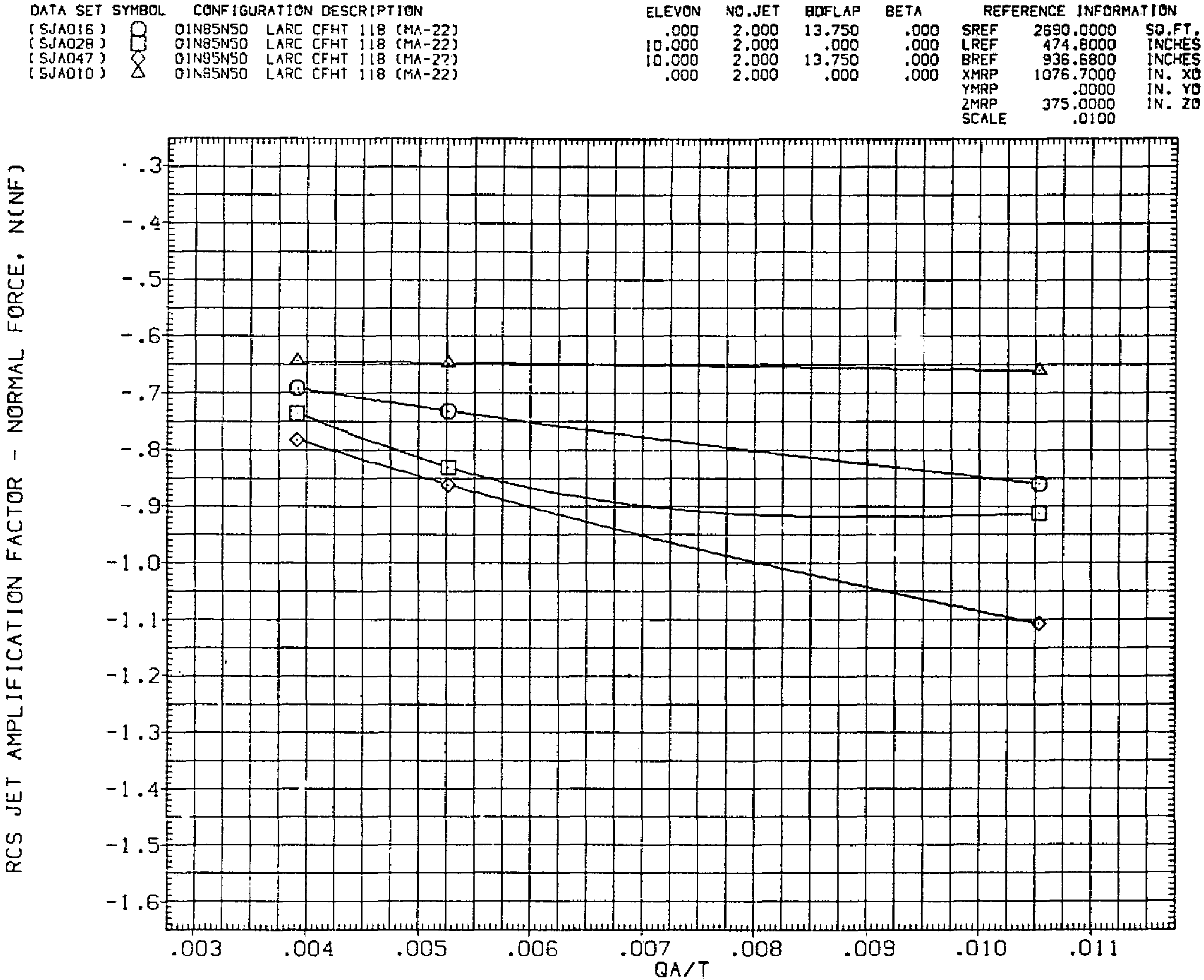


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

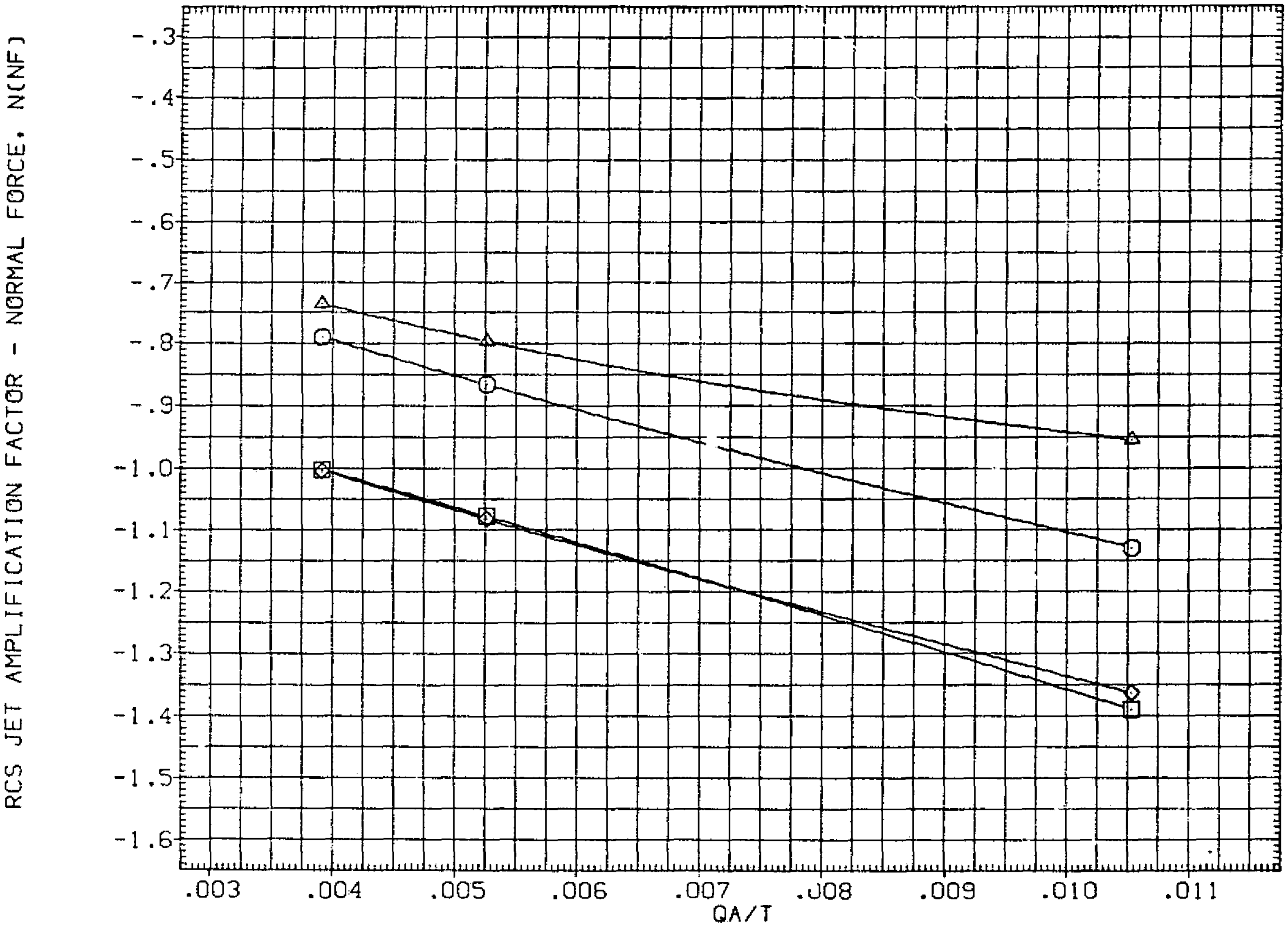


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

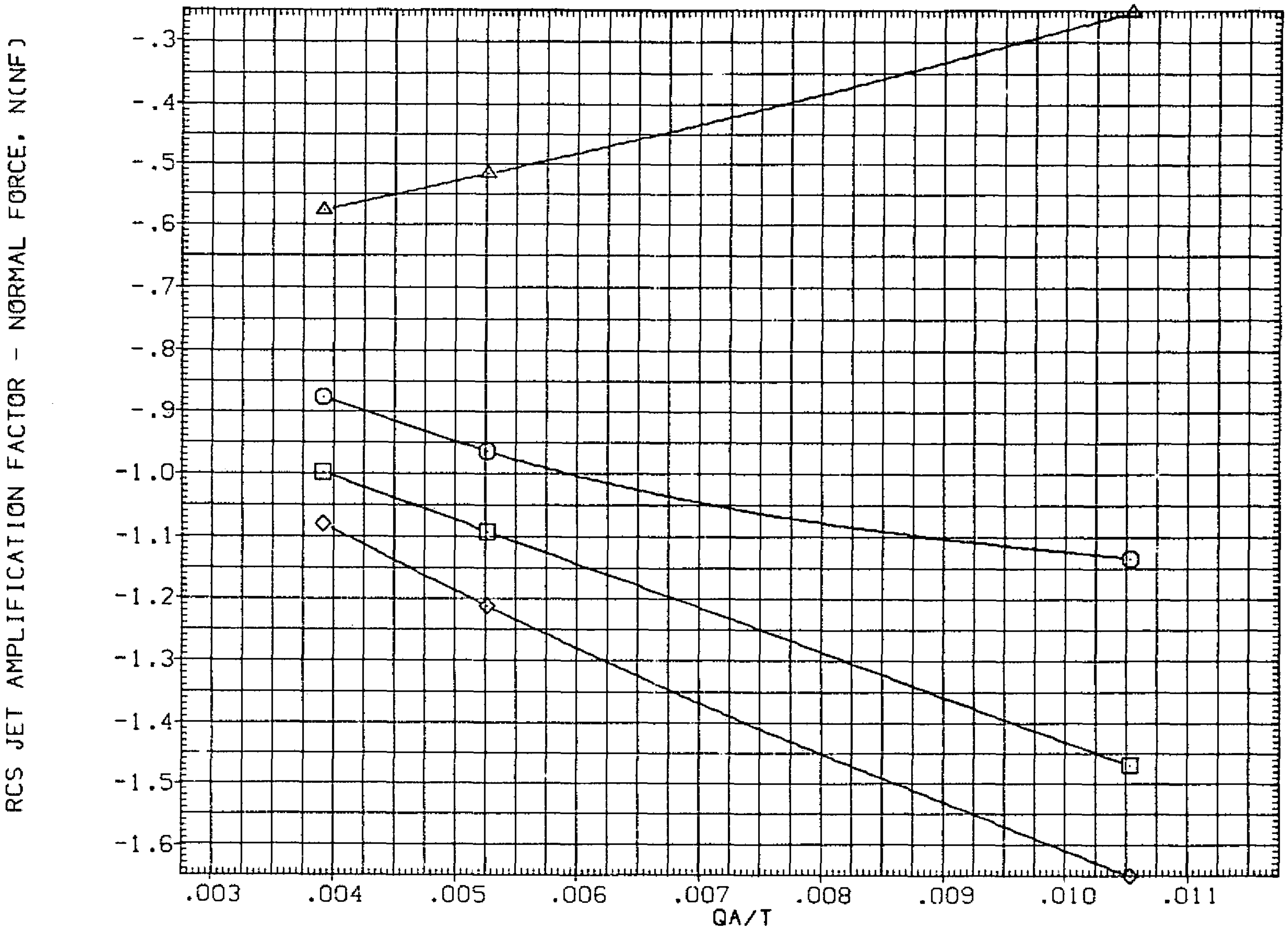


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

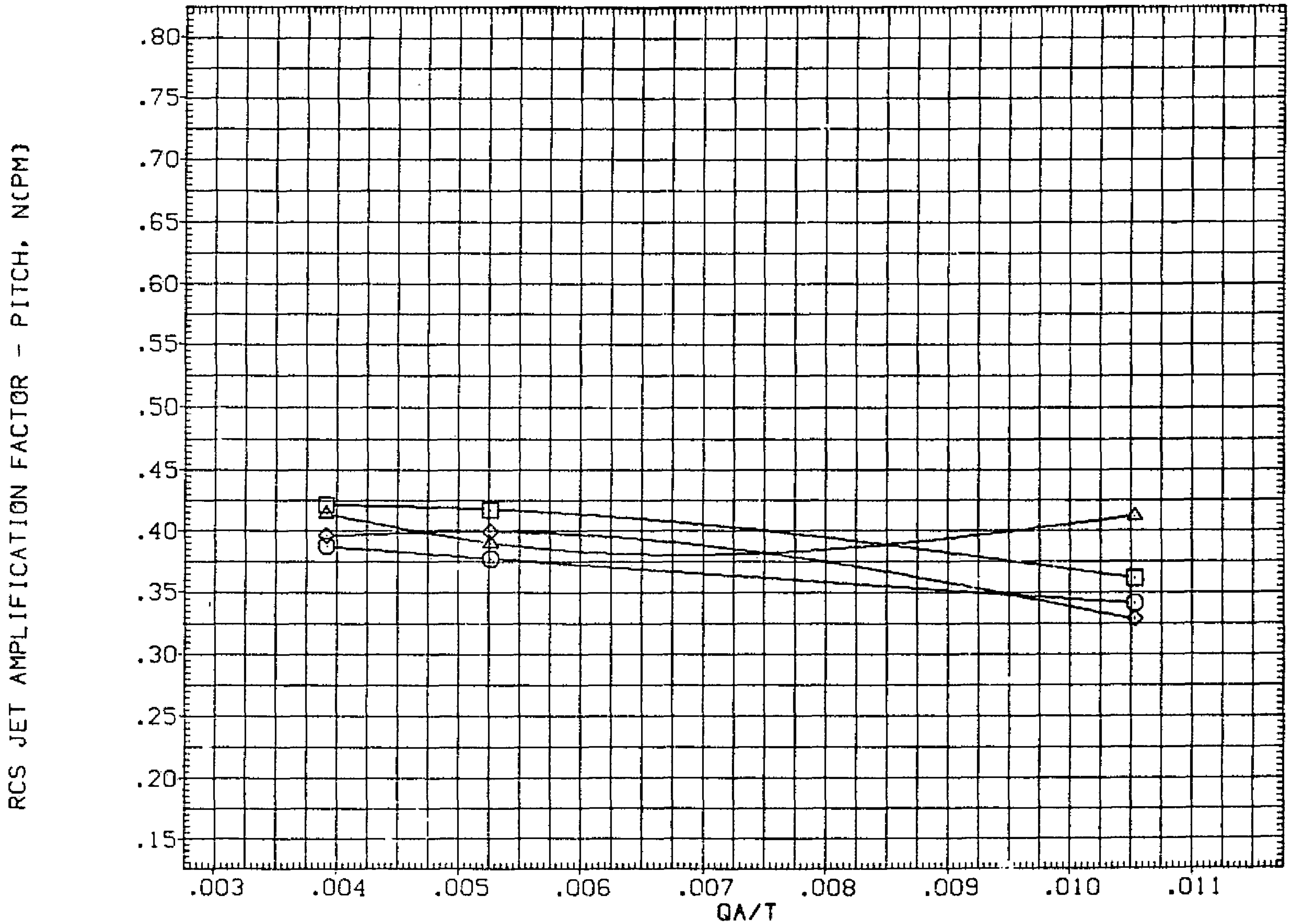


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

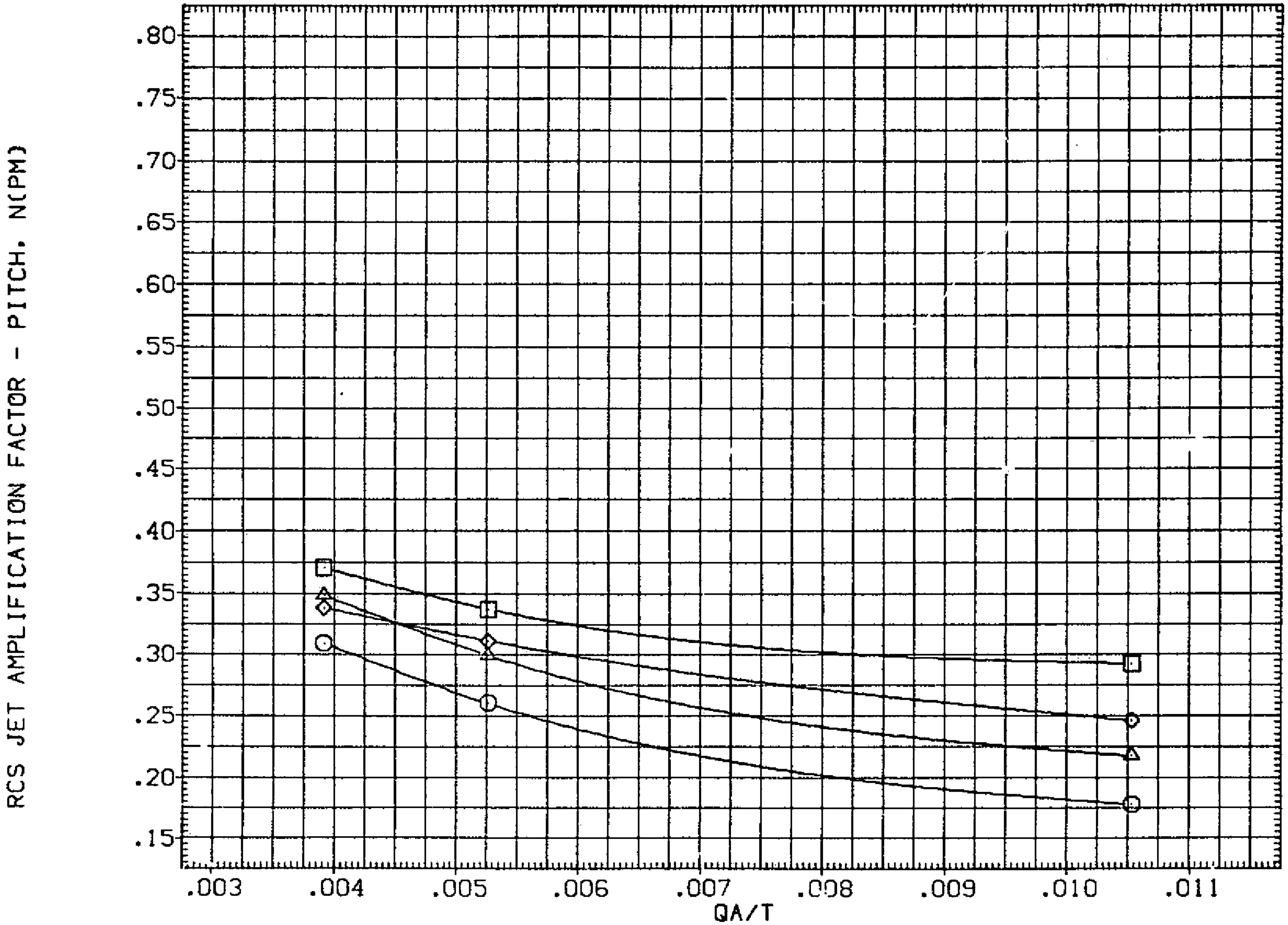


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

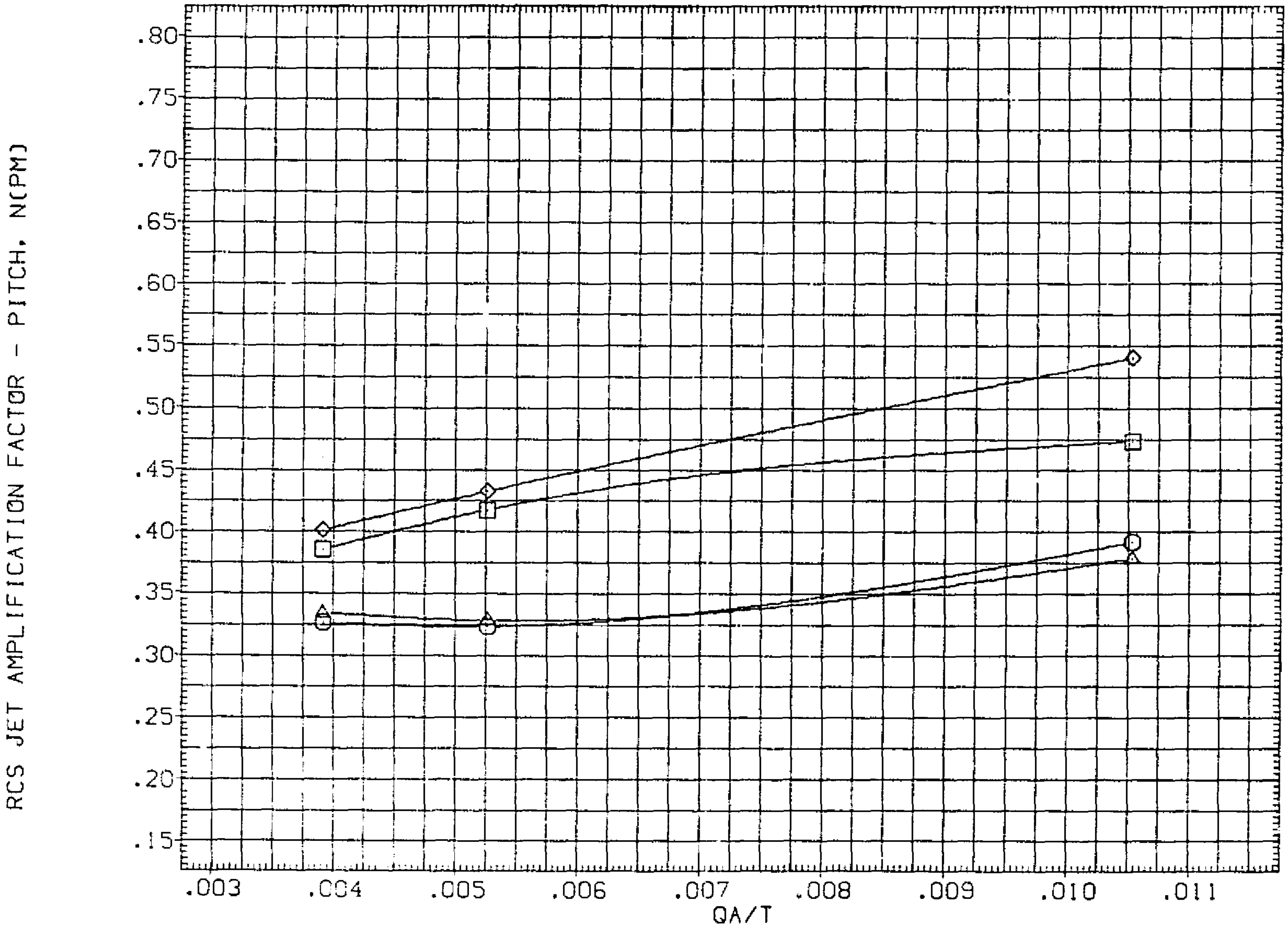


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

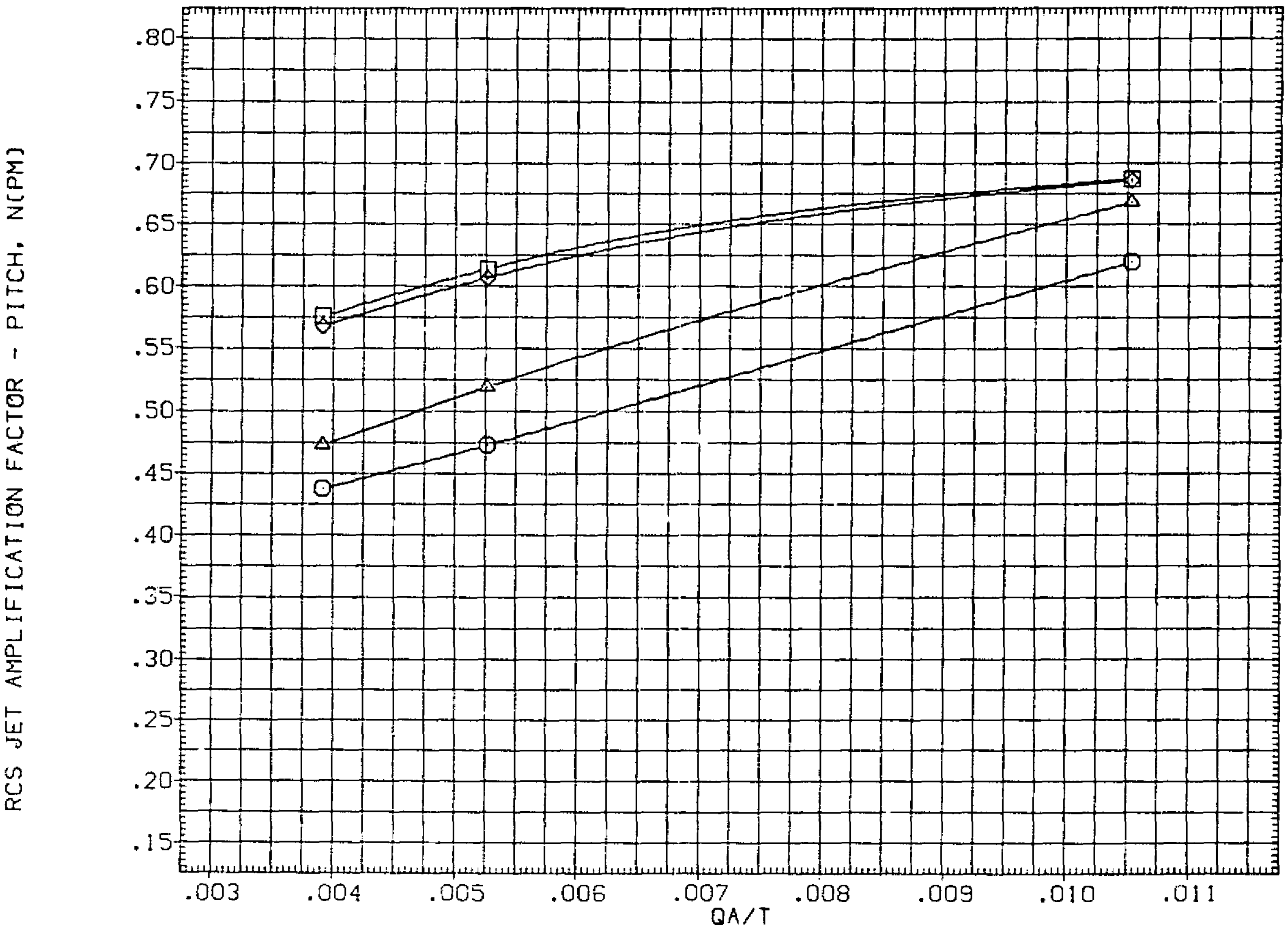


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

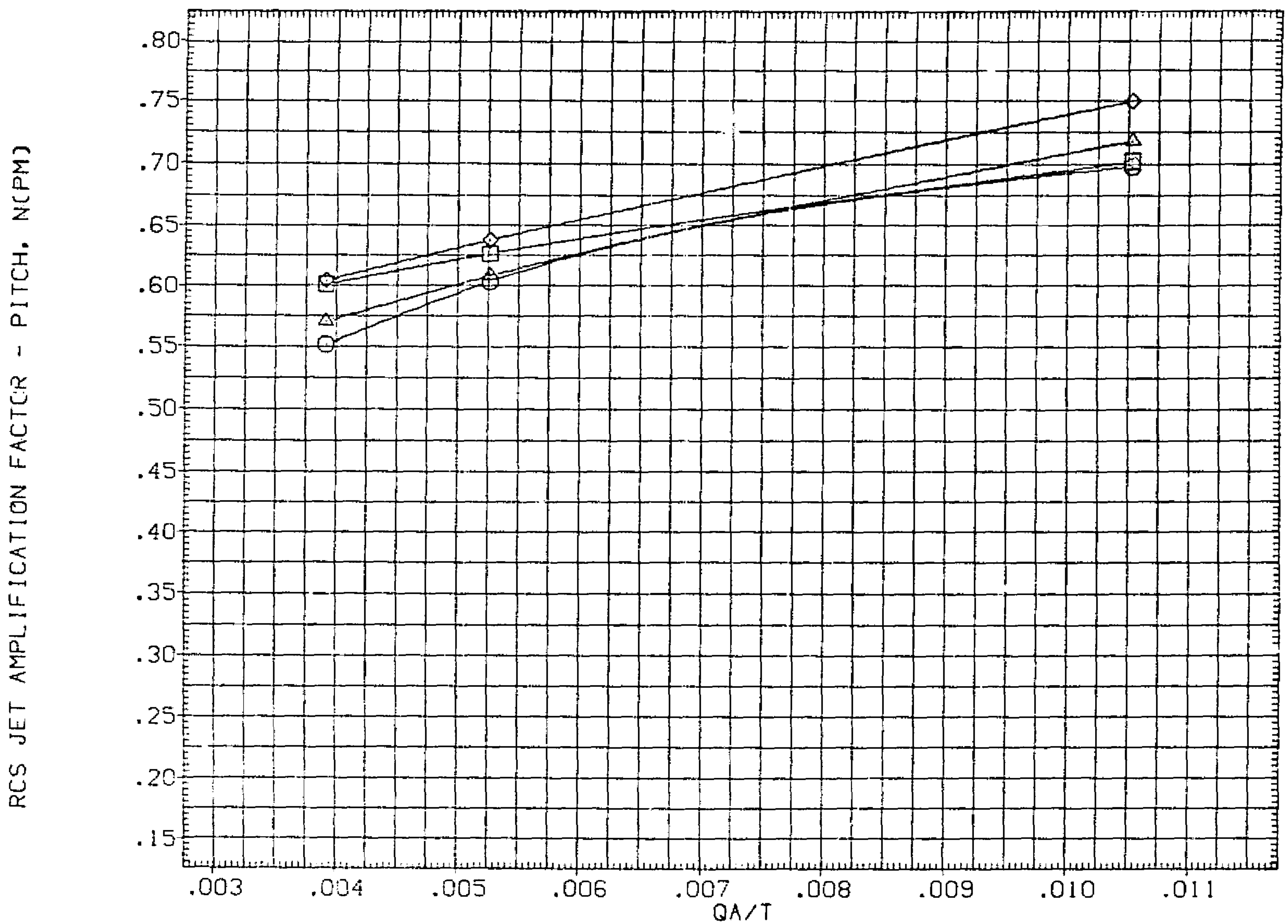


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

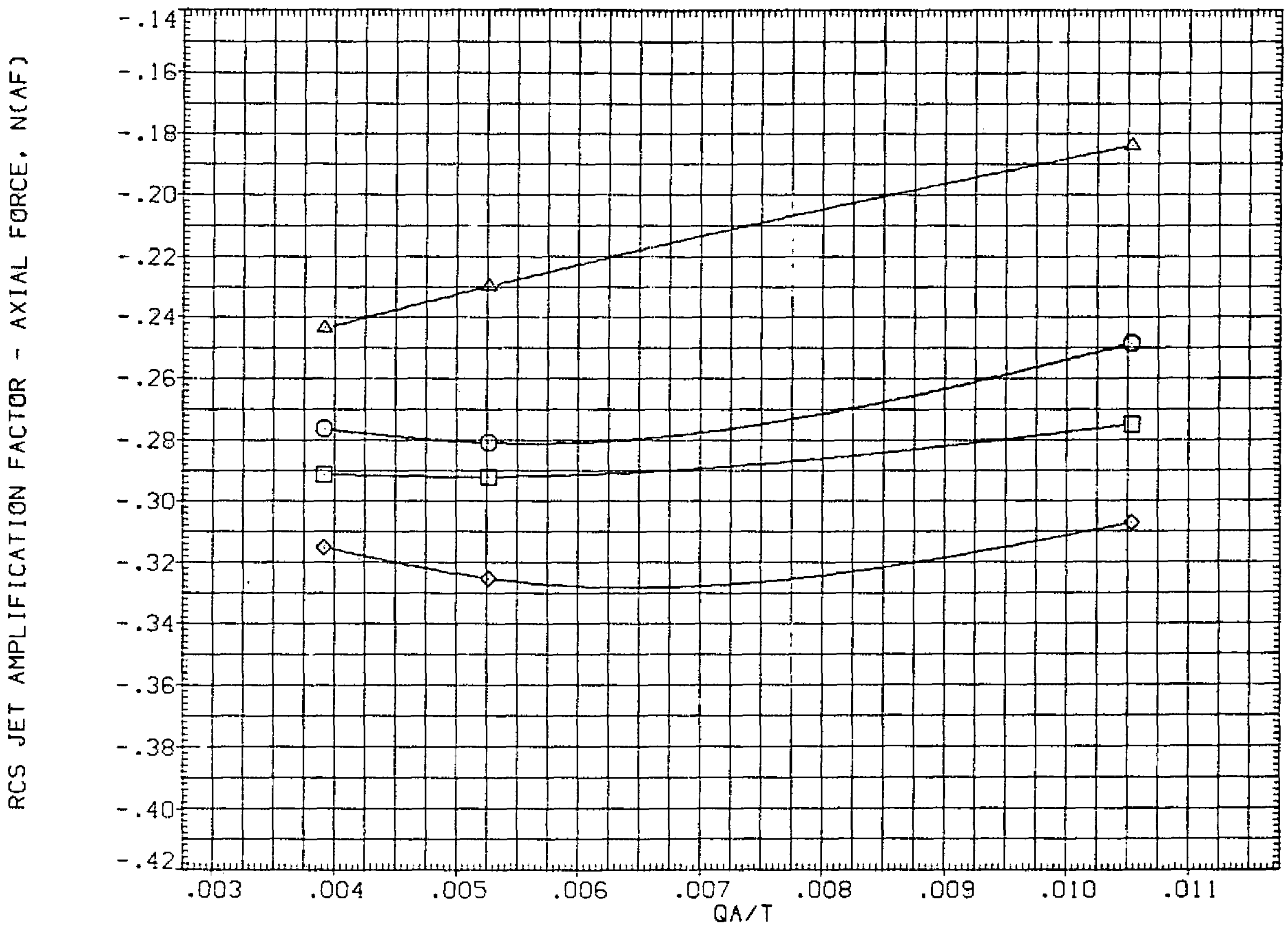


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

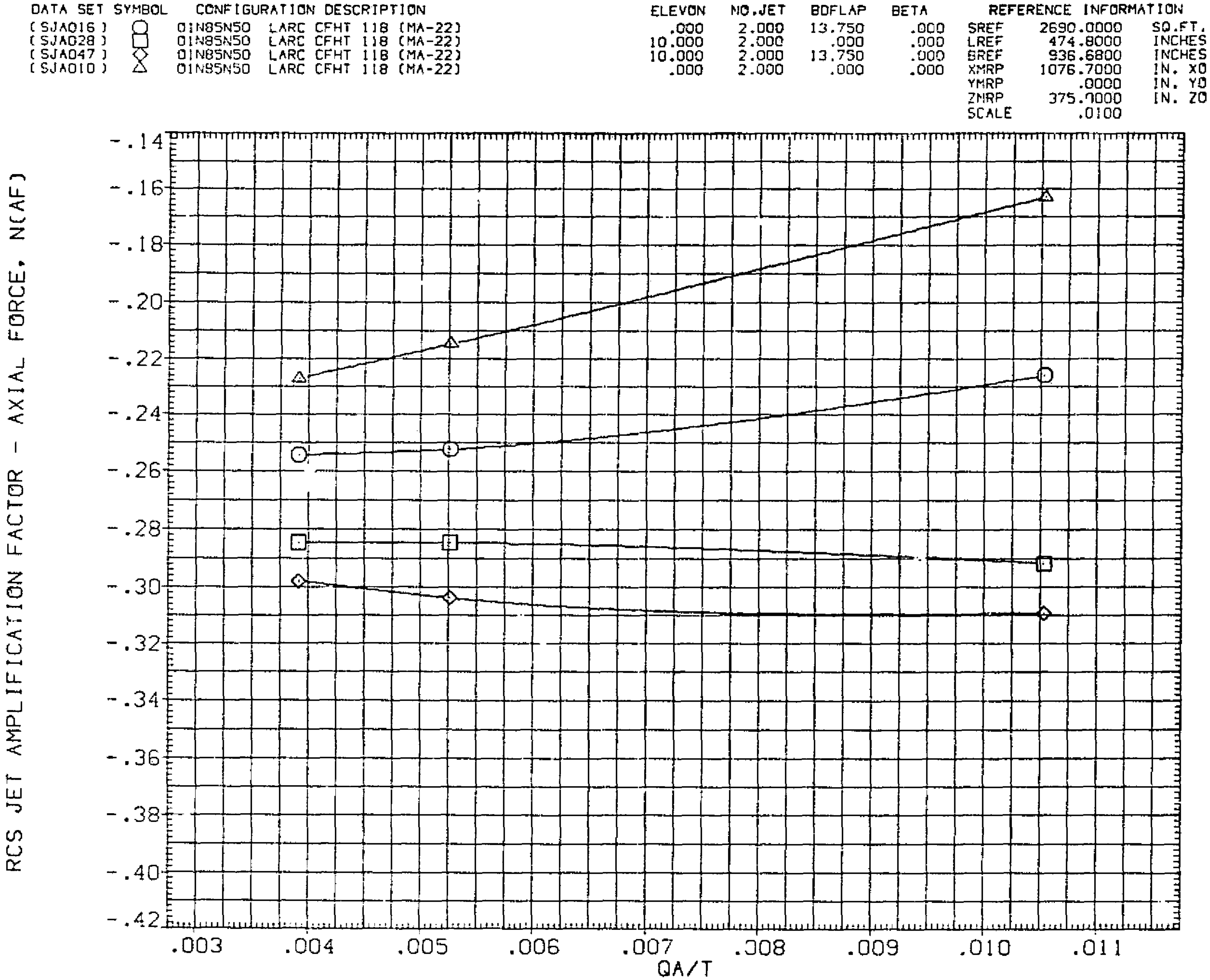


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85
(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

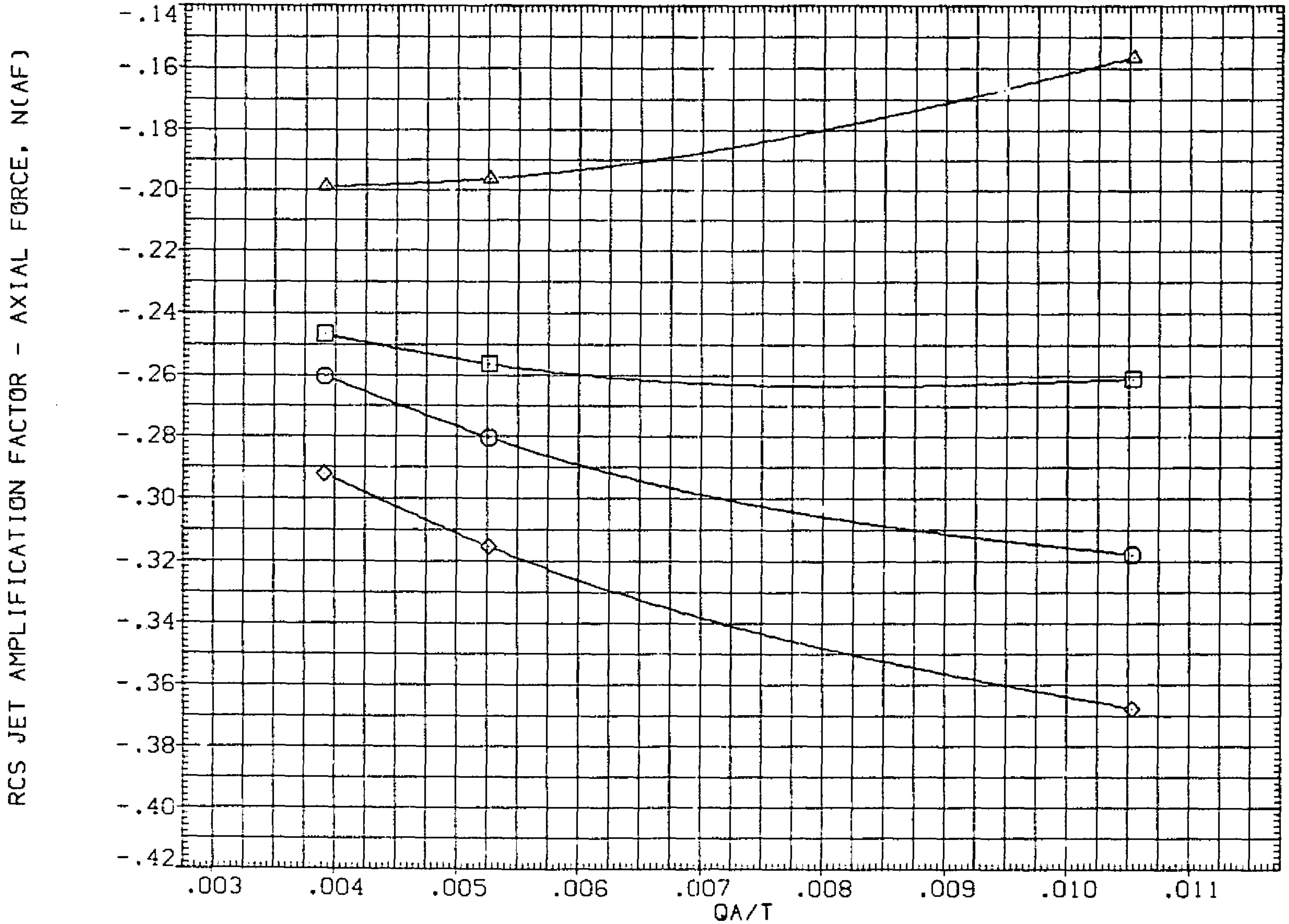


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

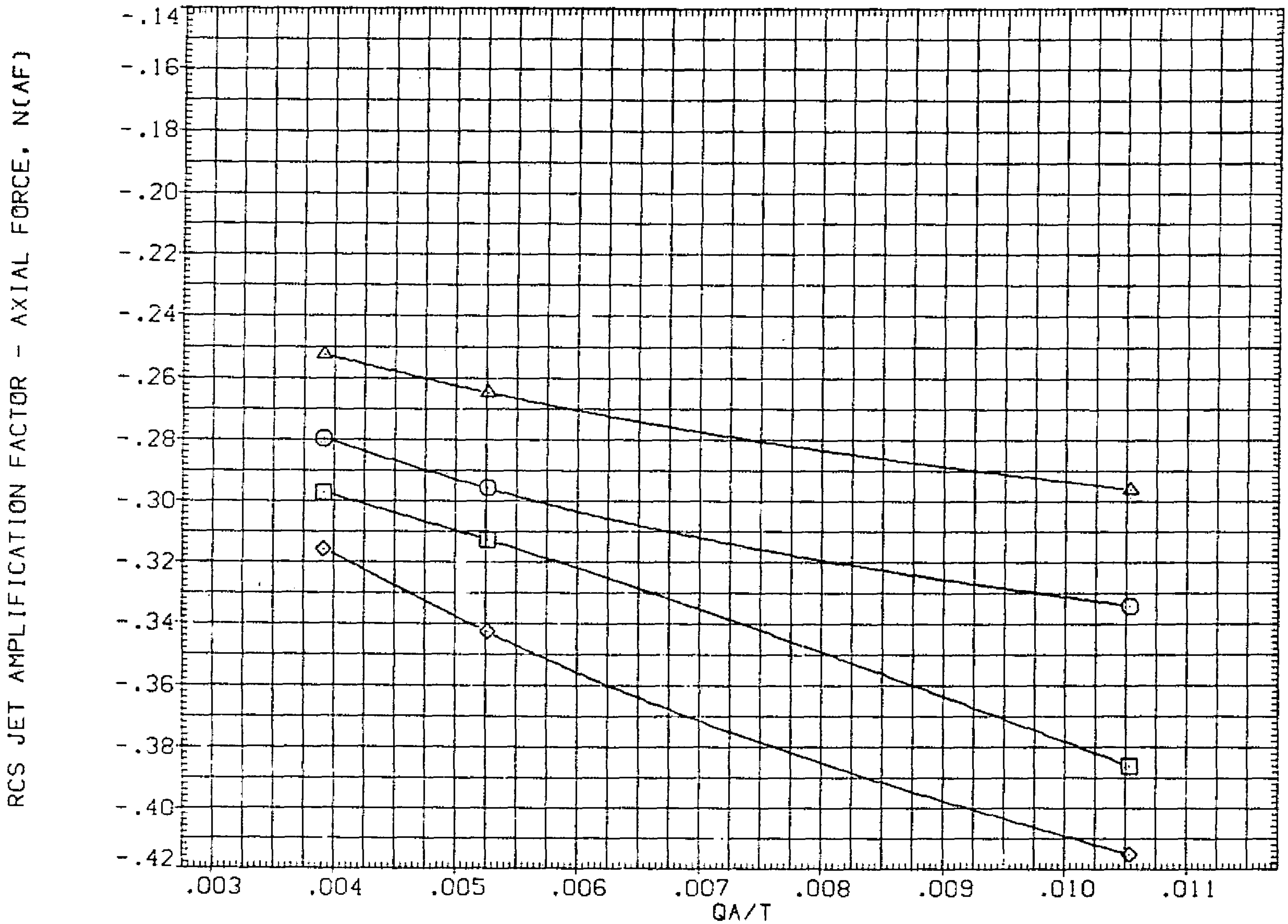


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

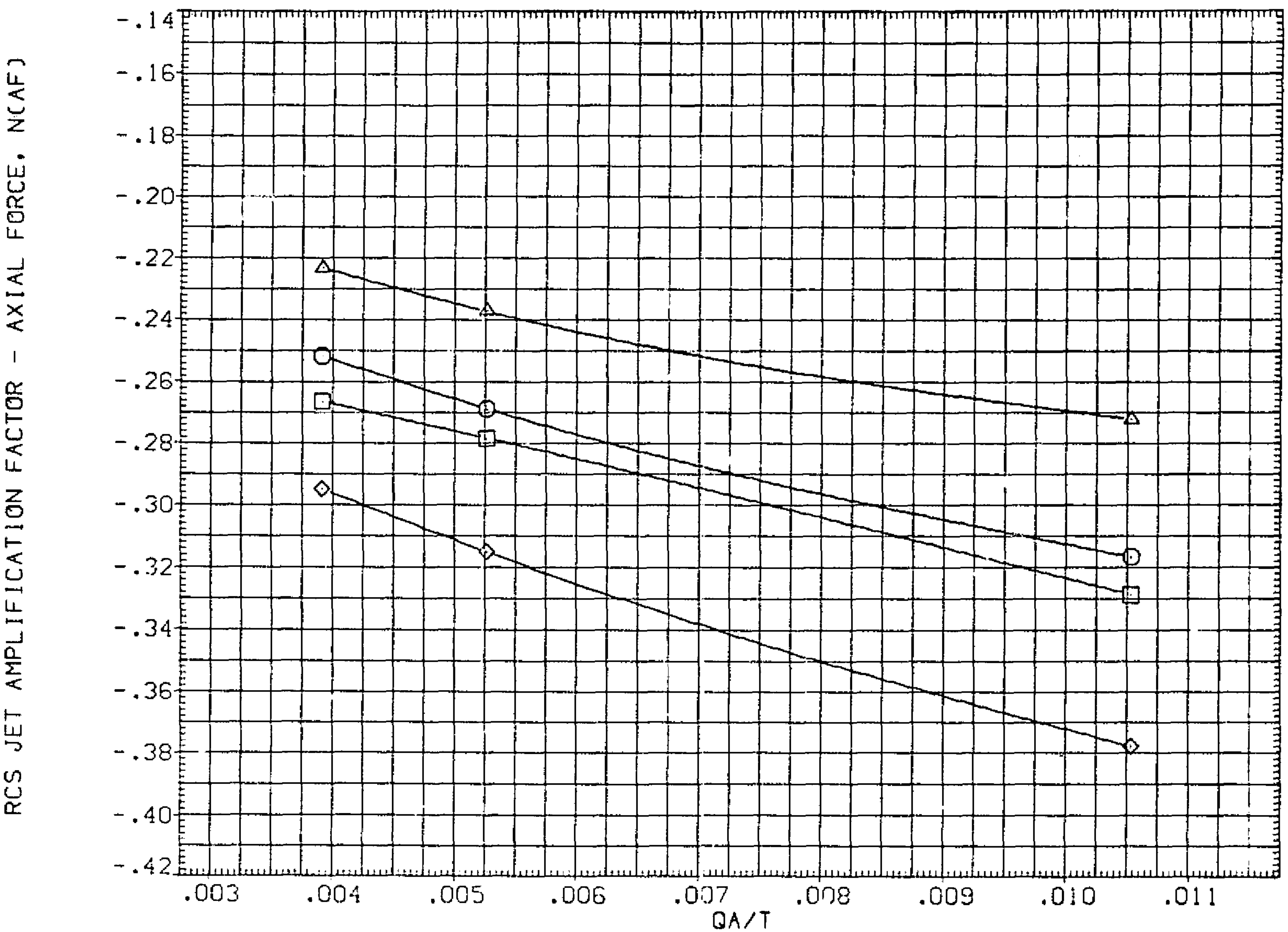


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

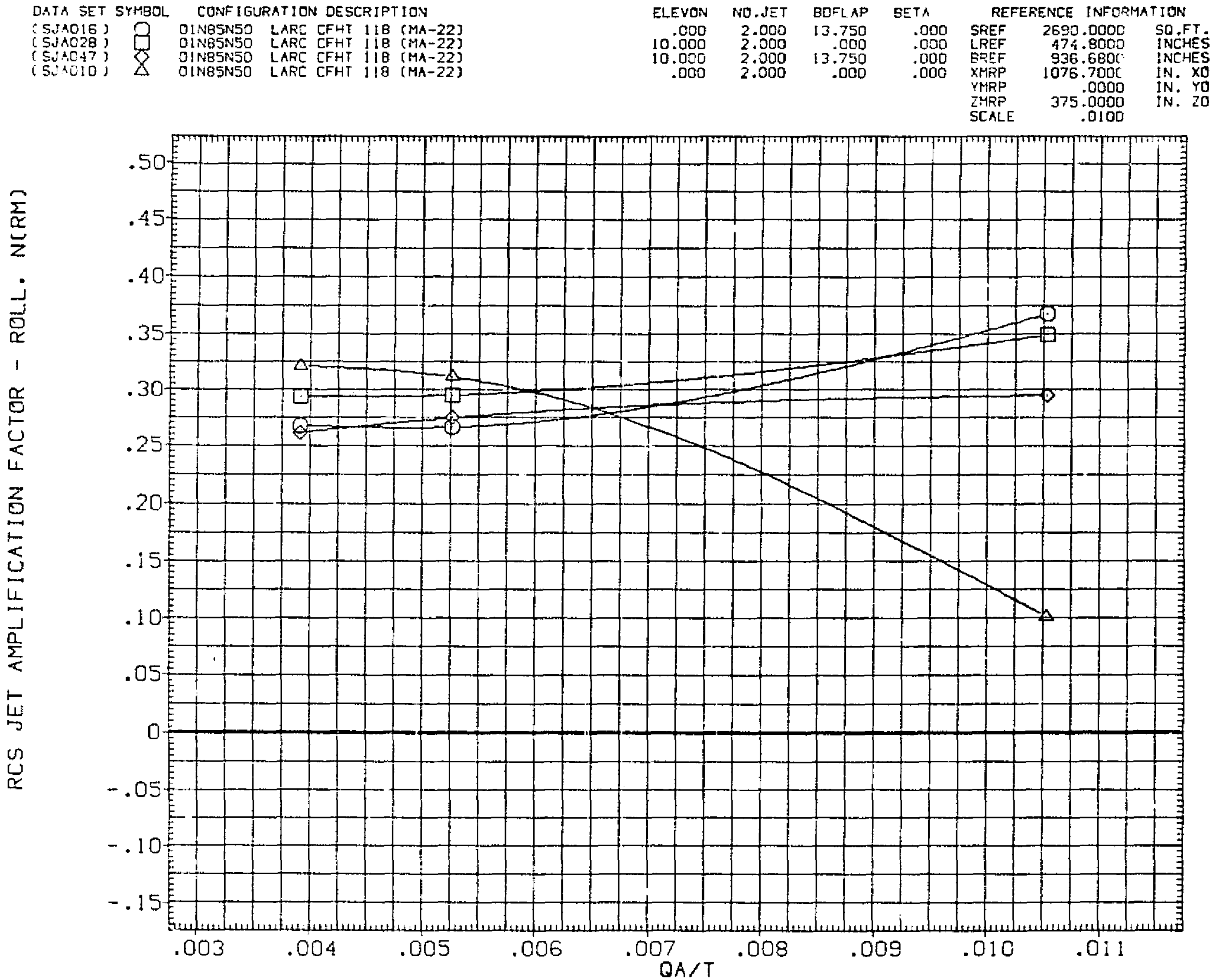


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

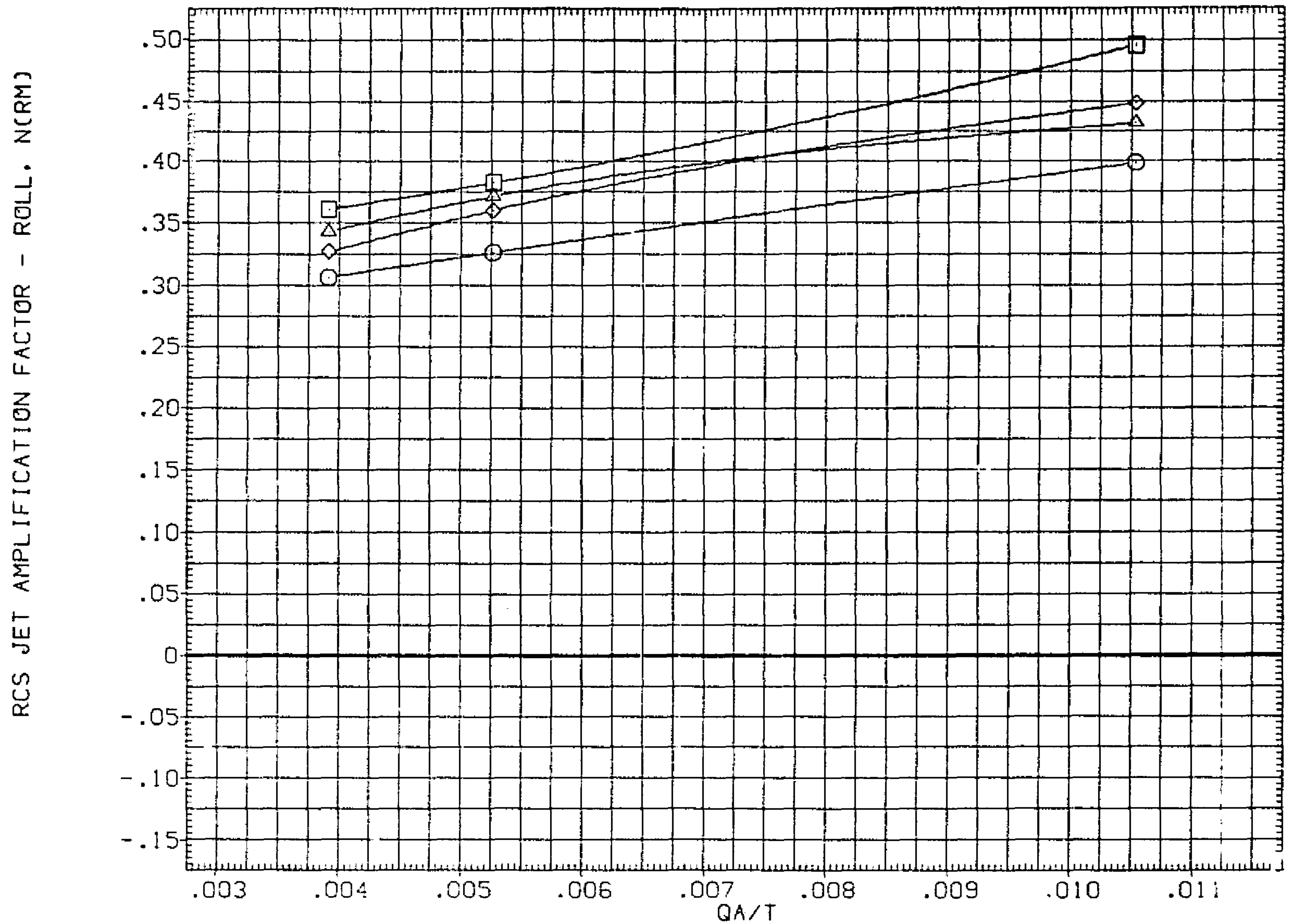


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

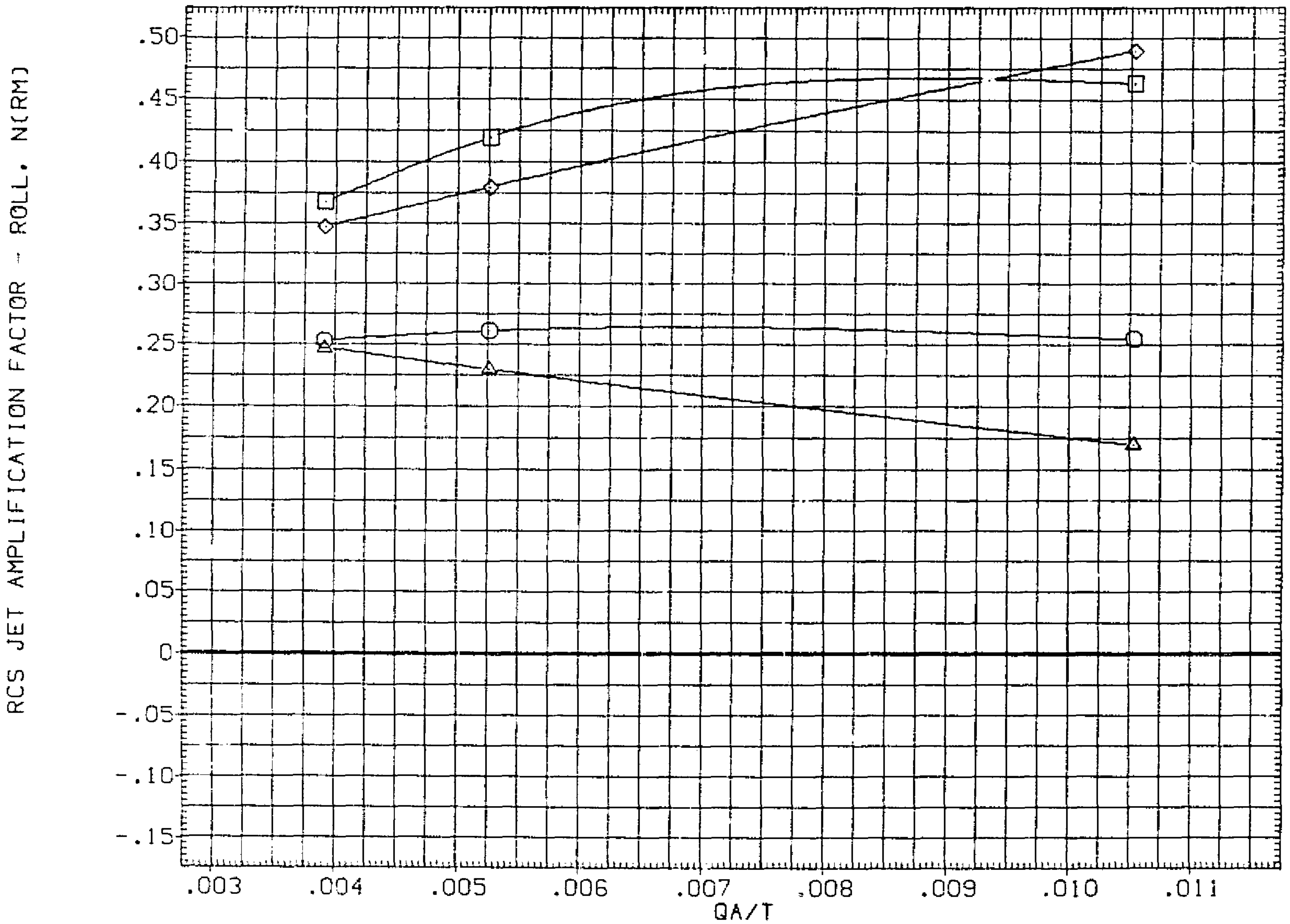


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

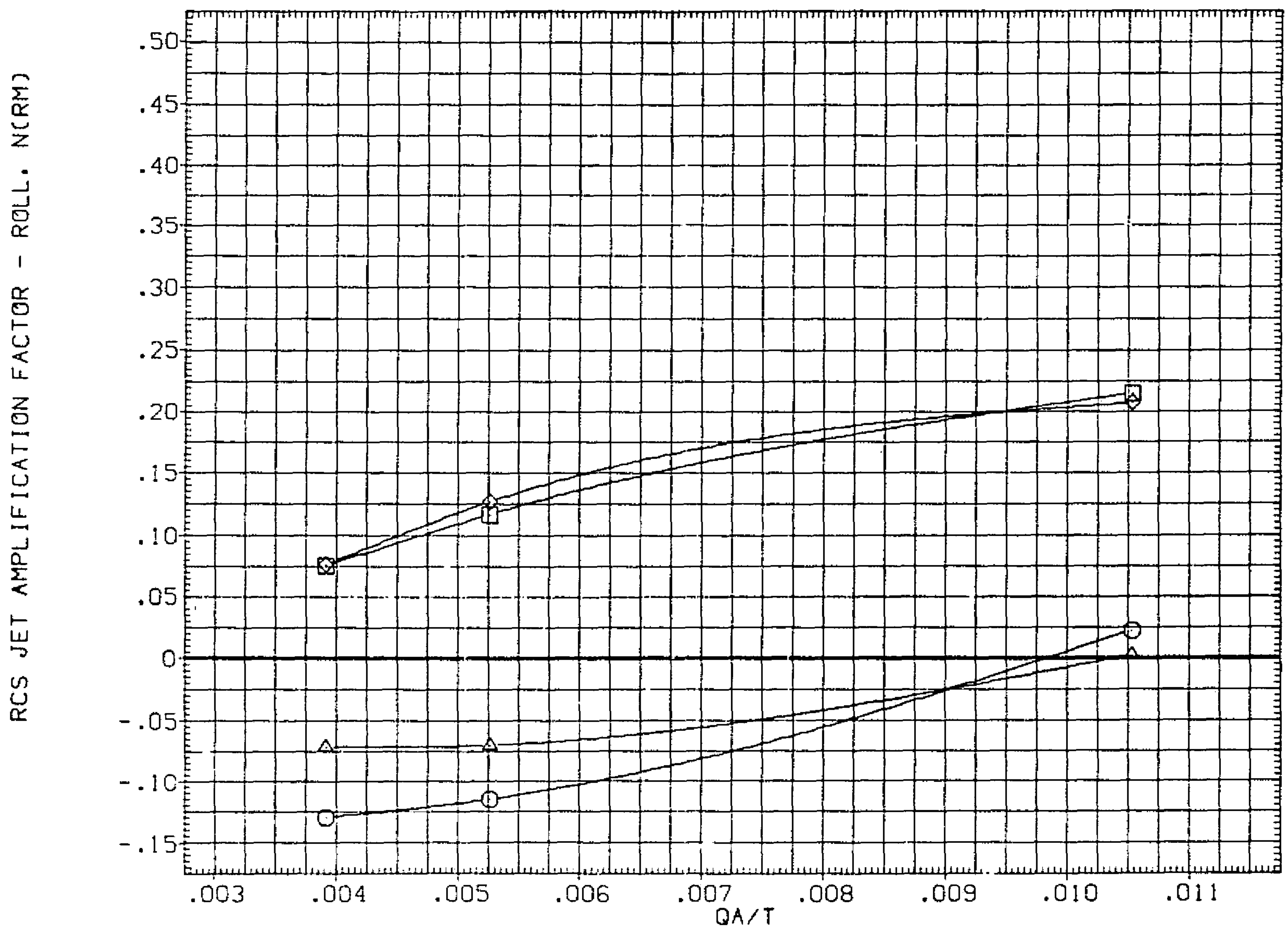


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

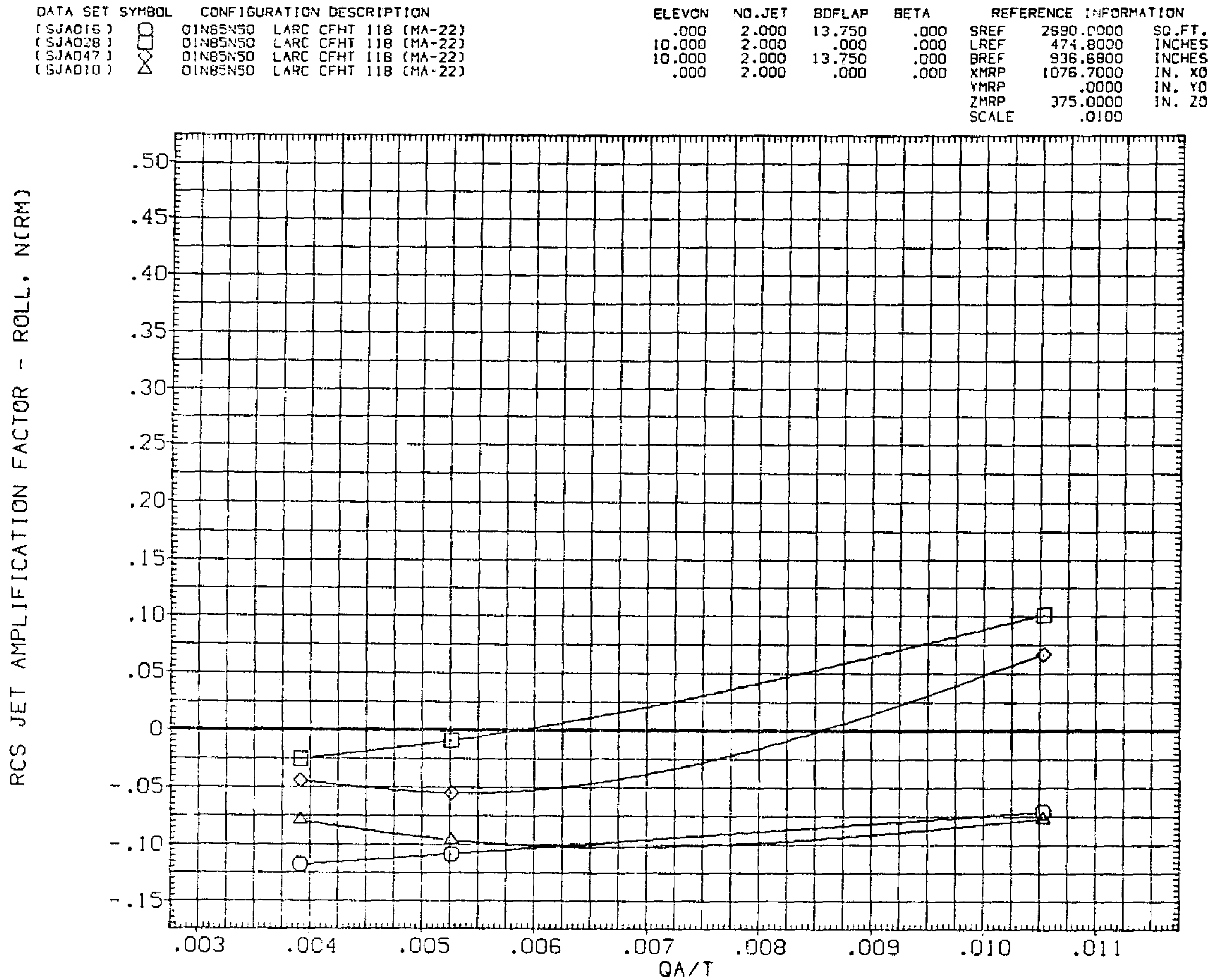


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
[SJA016]	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
[SJA028]	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
[SJA047]	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
[SJA010]	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

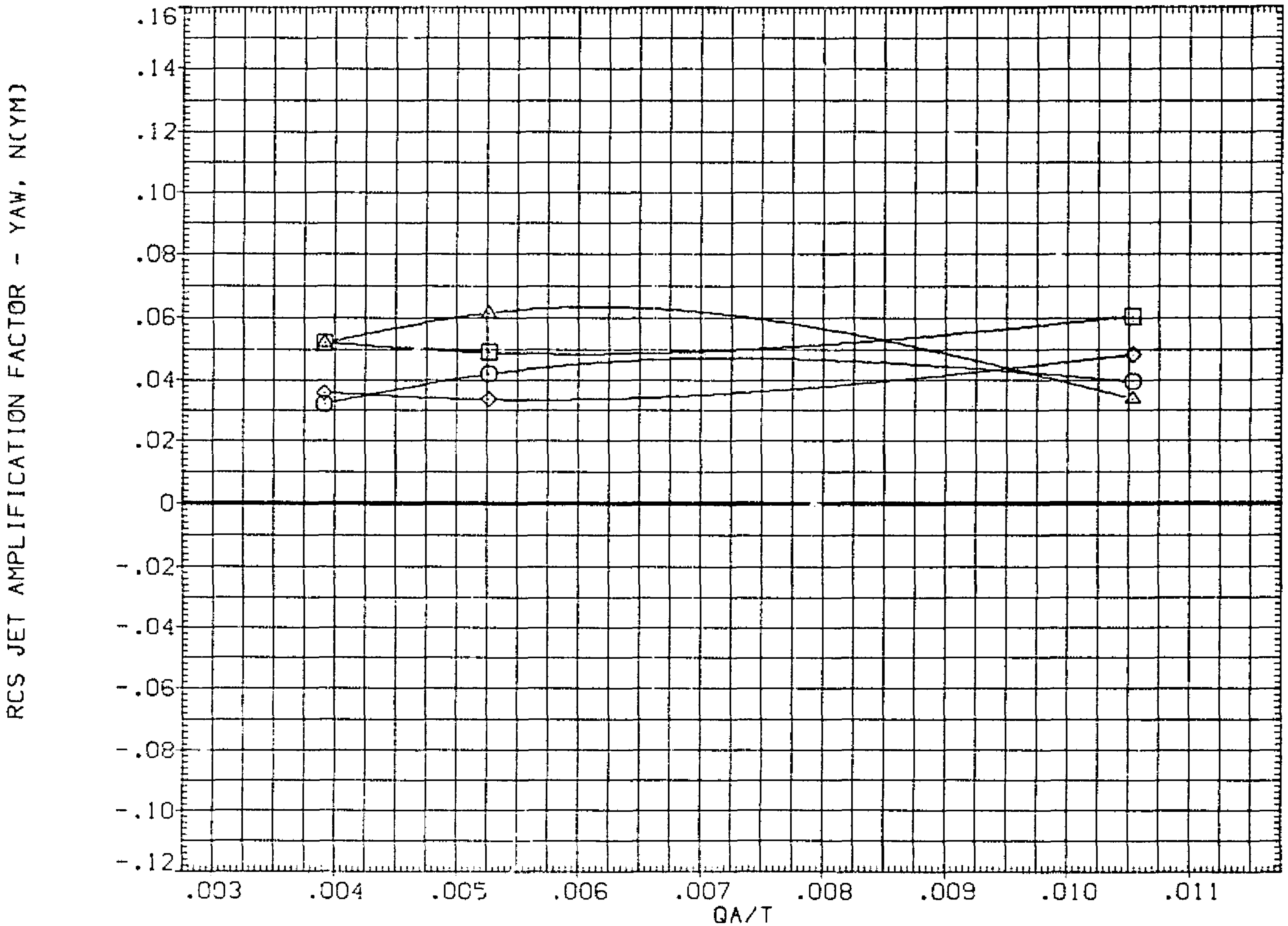


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

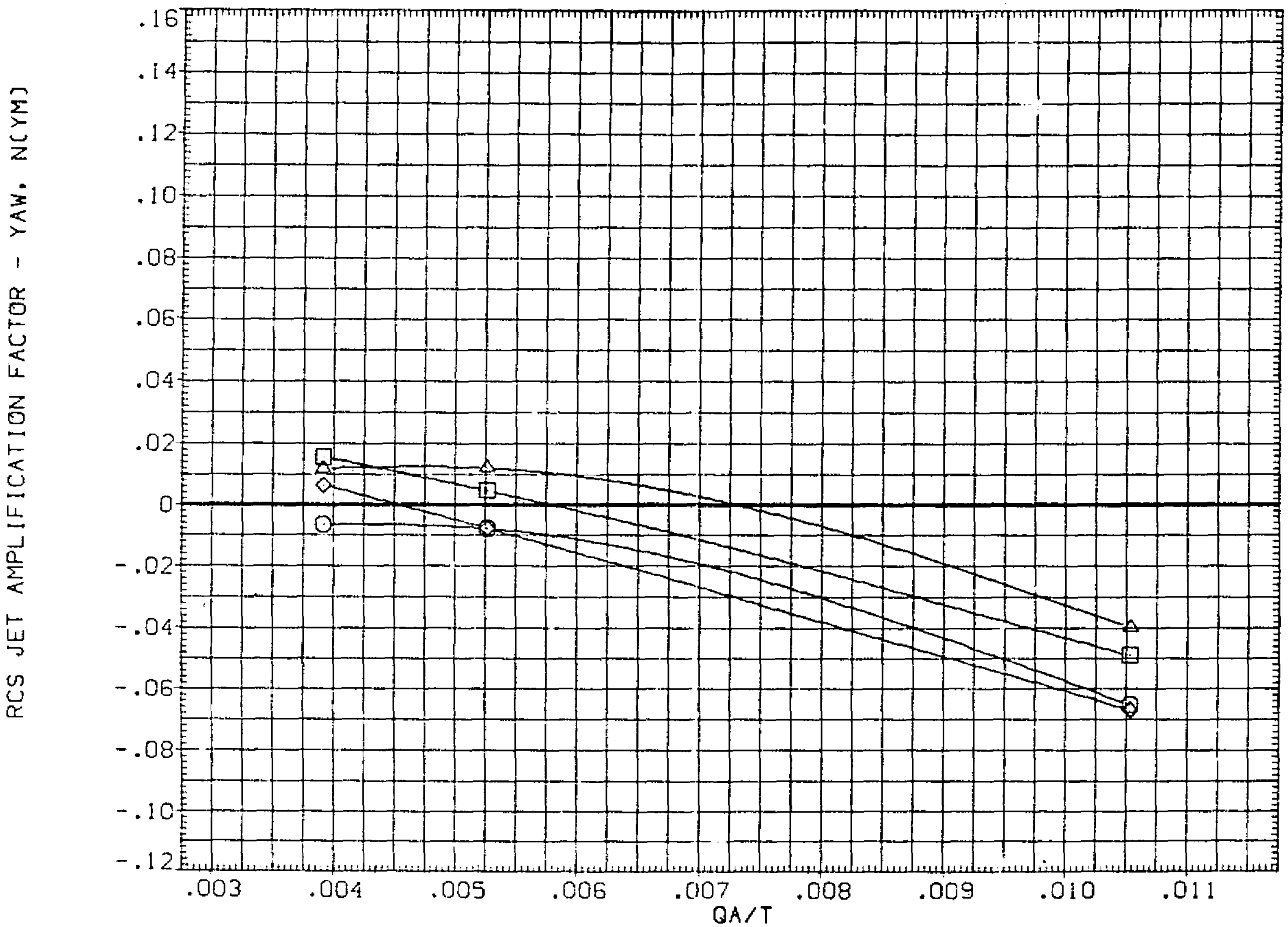


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

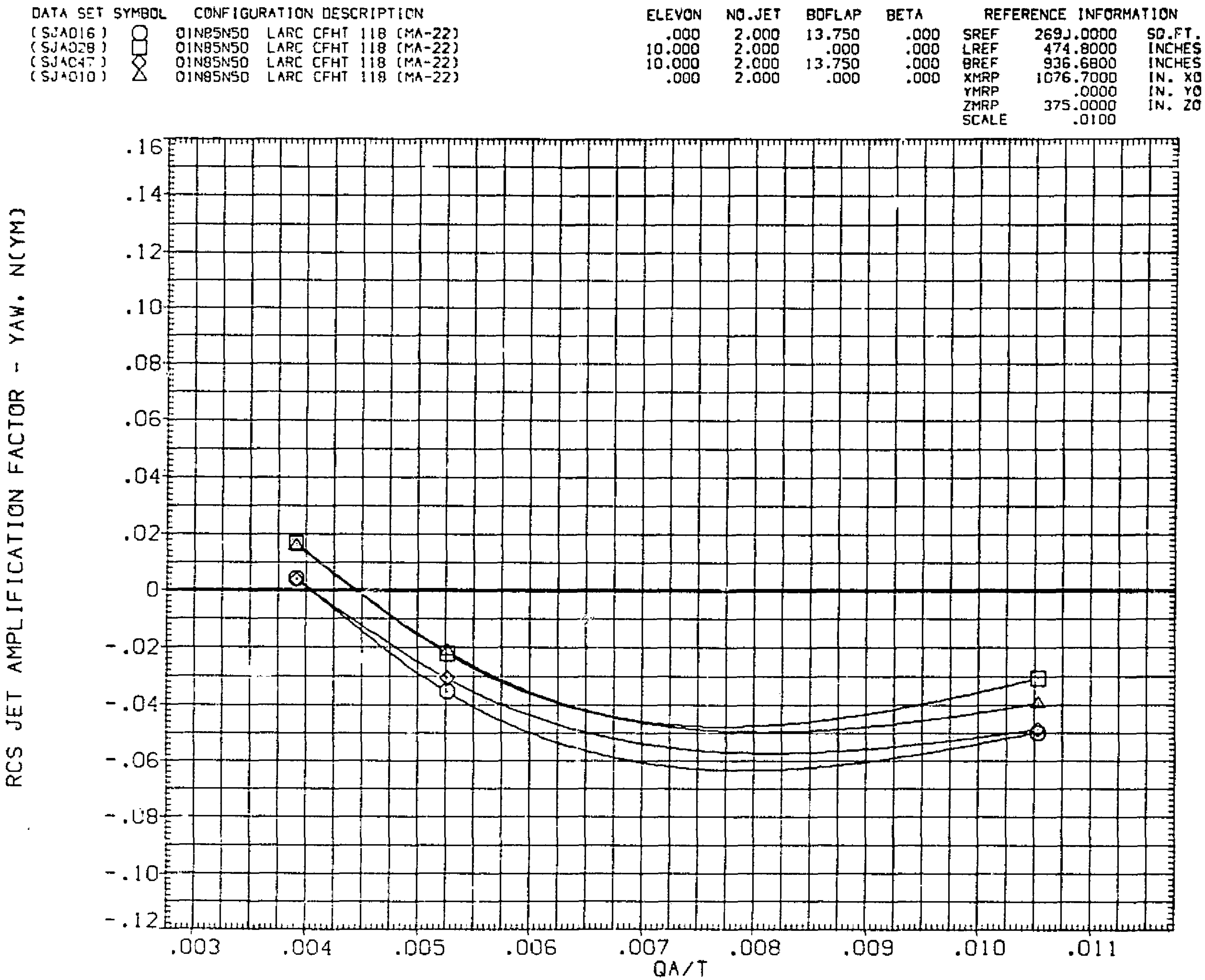


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJAC16)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

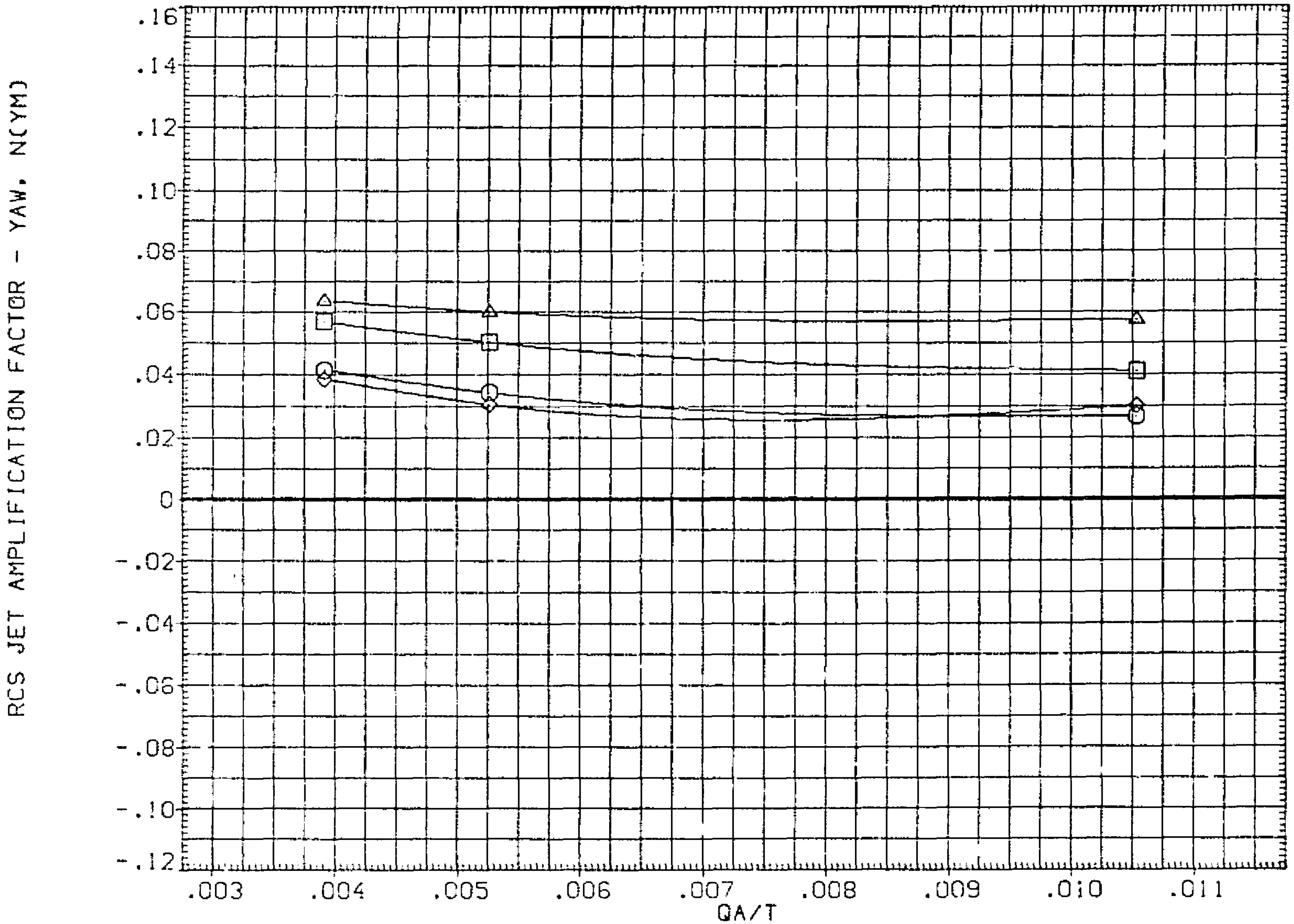


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

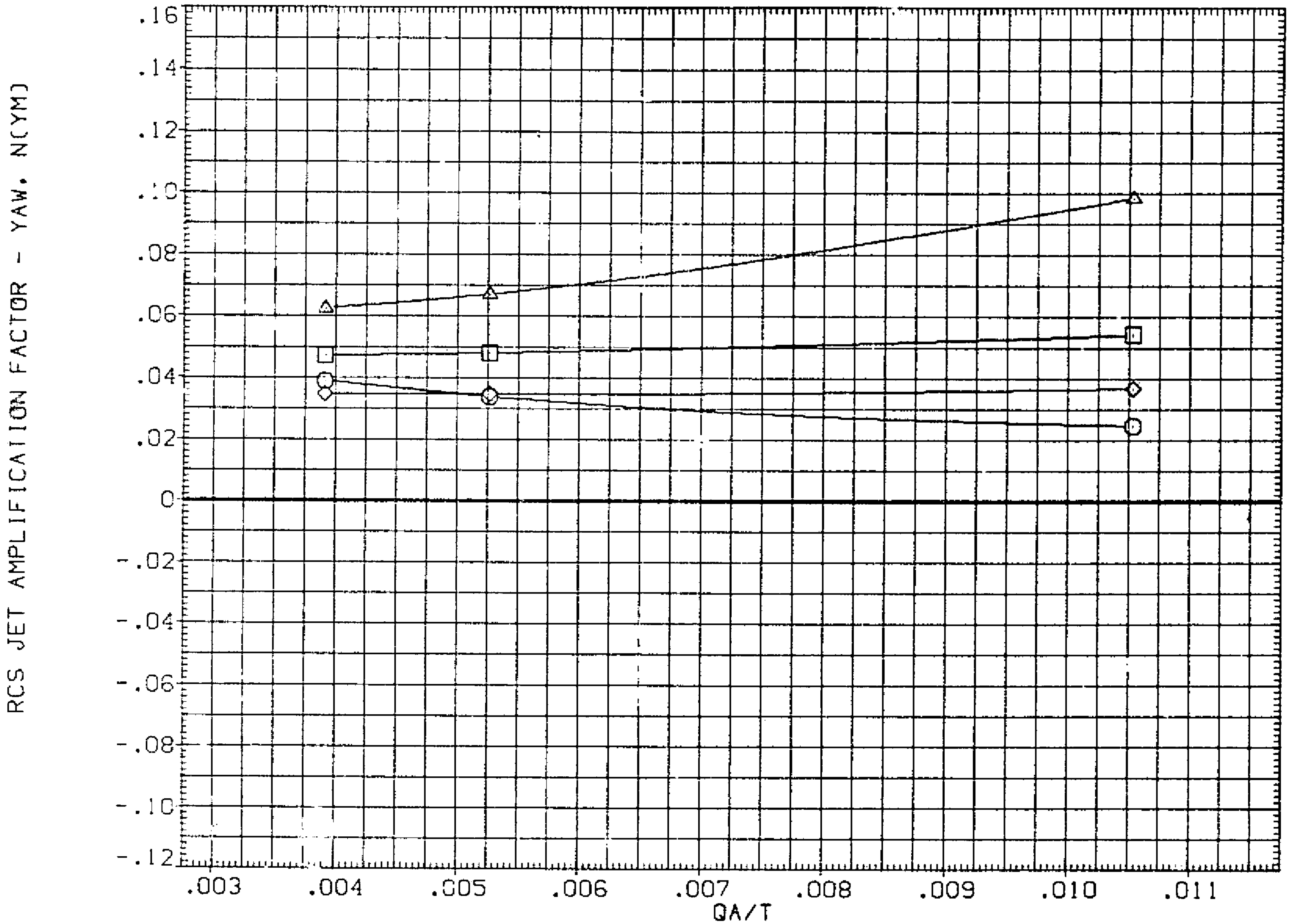


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

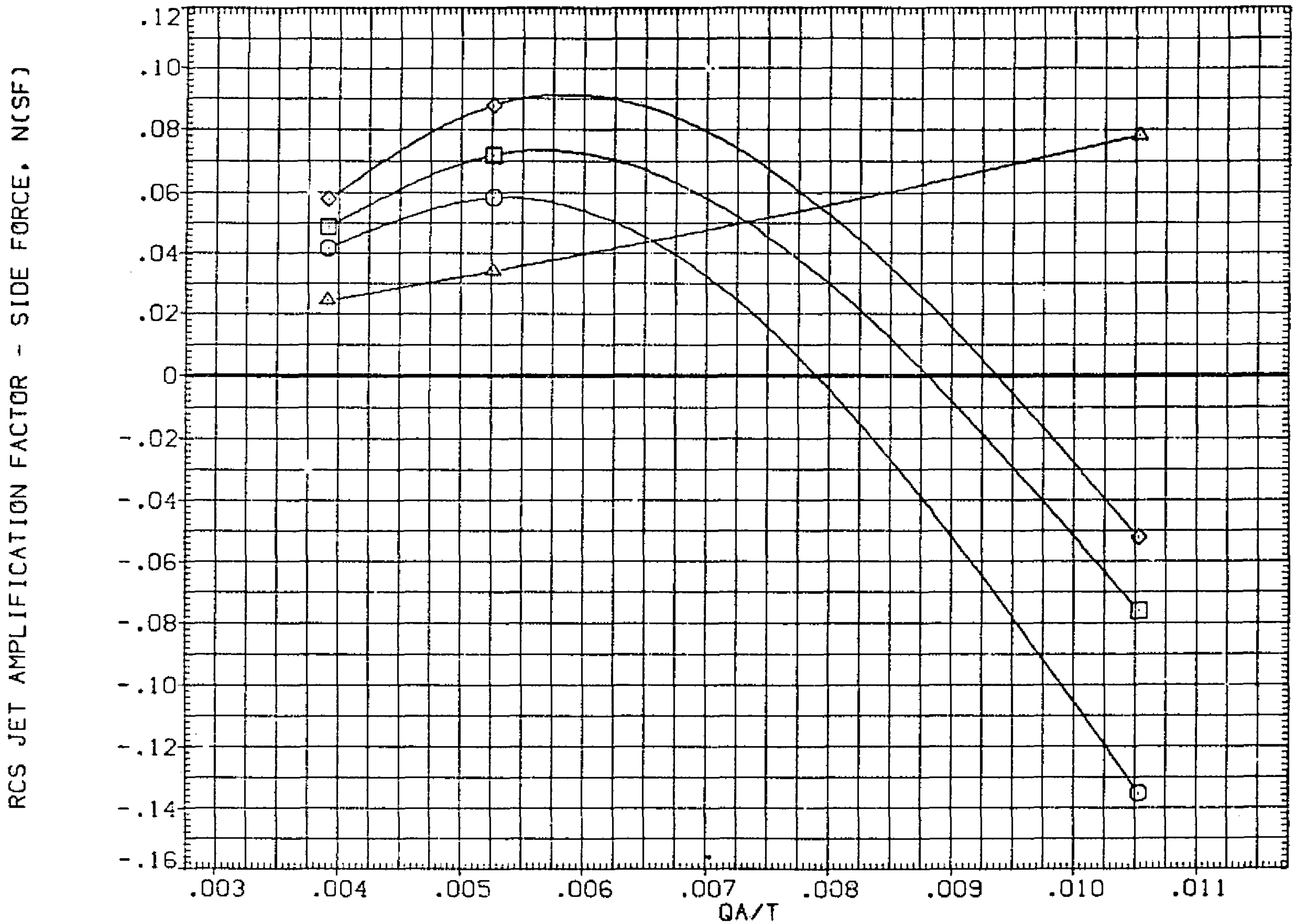


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

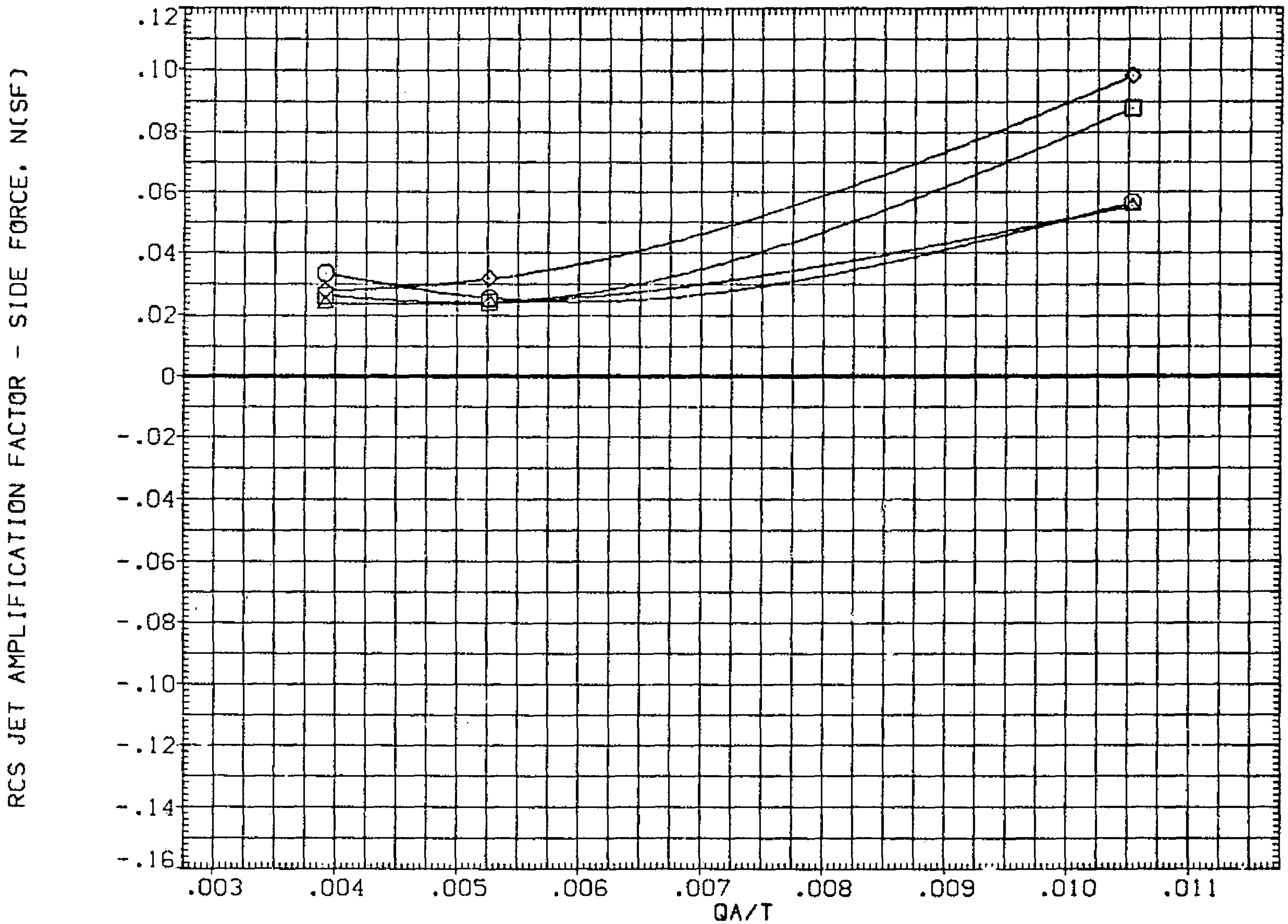


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

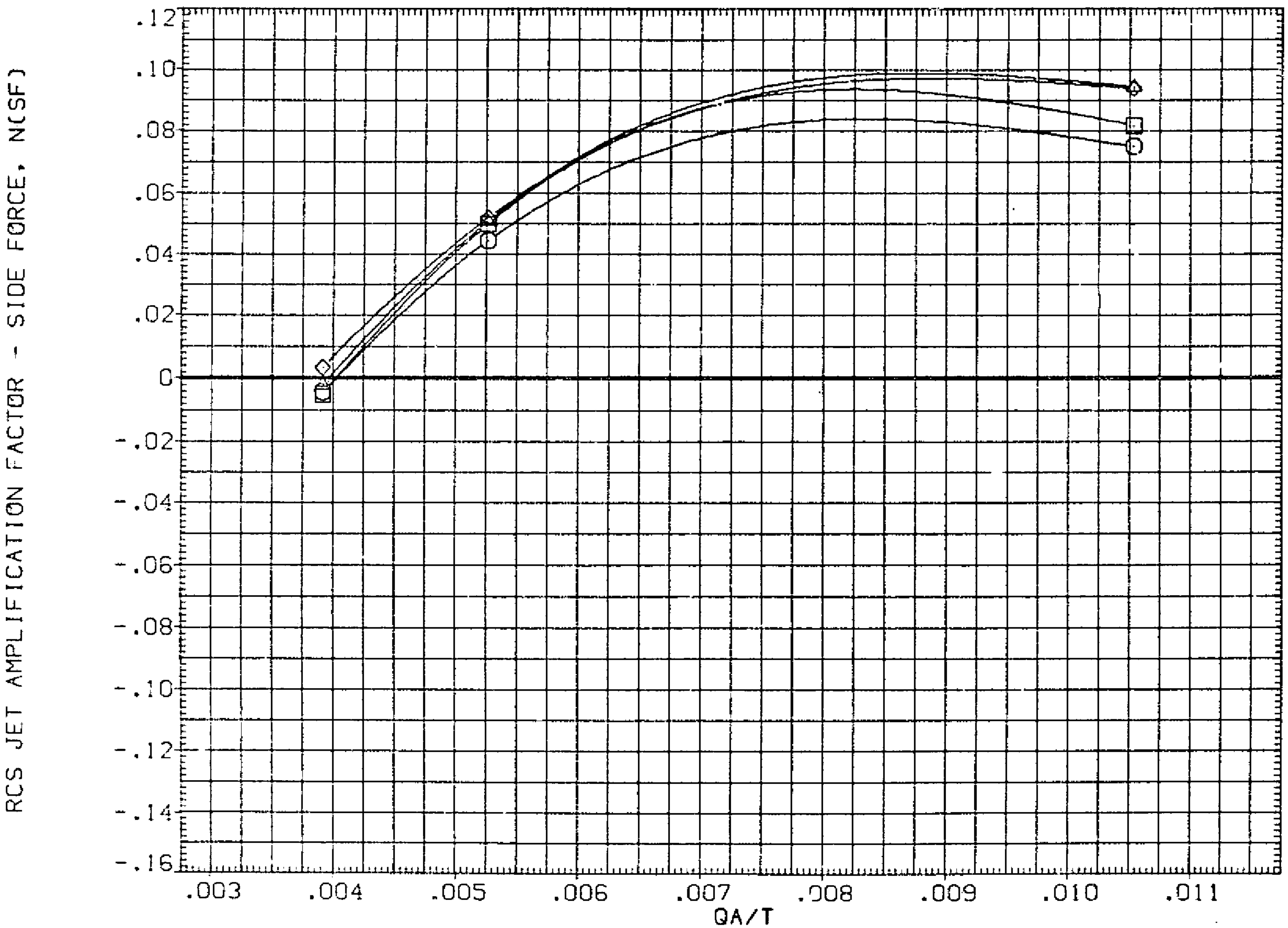


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

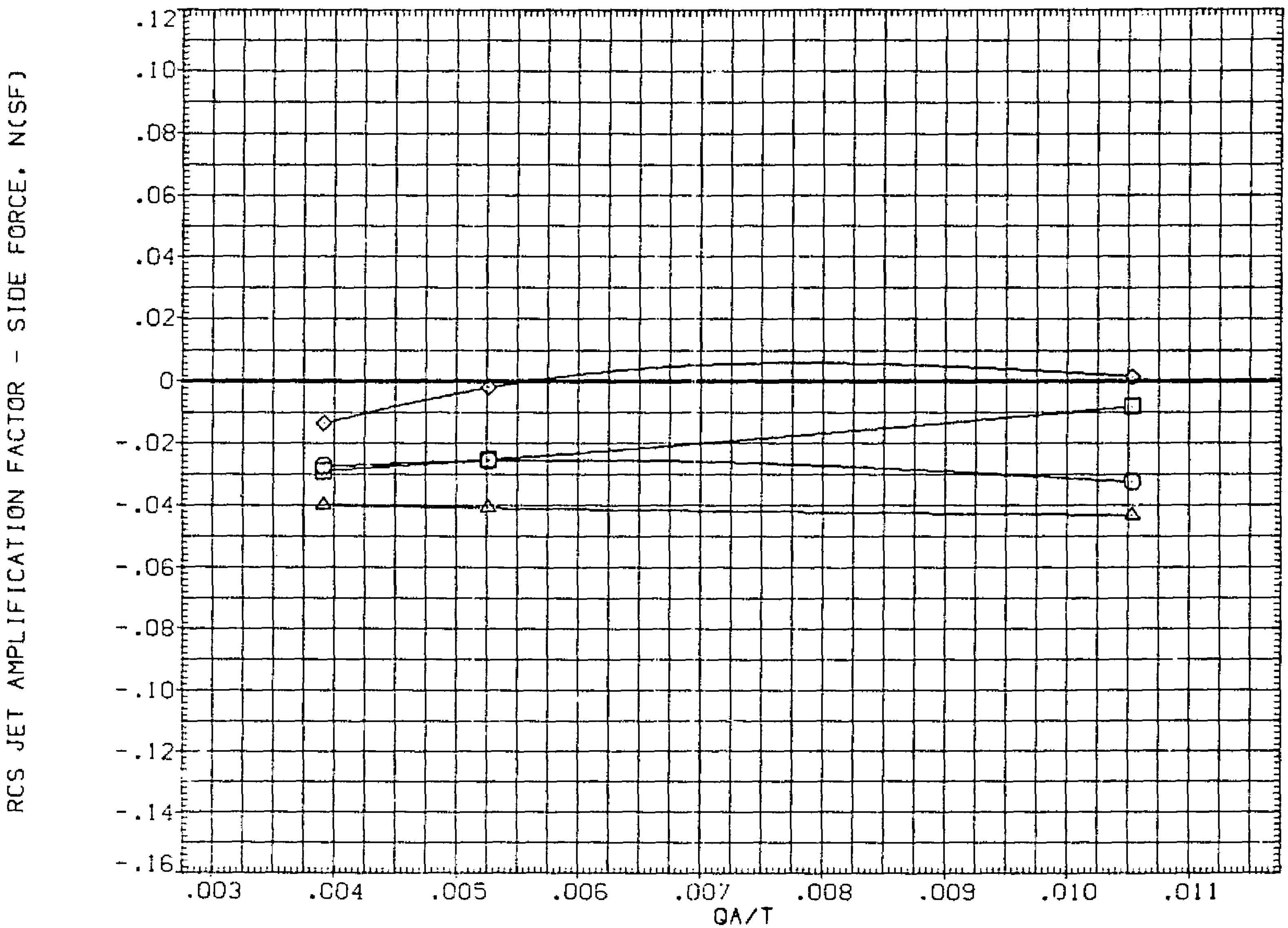


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA016)	○	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	13.750	.000
(SJA028)	□	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA047)	◇	01N85N50 LARC CFHT 118 (MA-22)	10.000	2.000	13.750	.000
(SJA010)	△	01N85N50 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

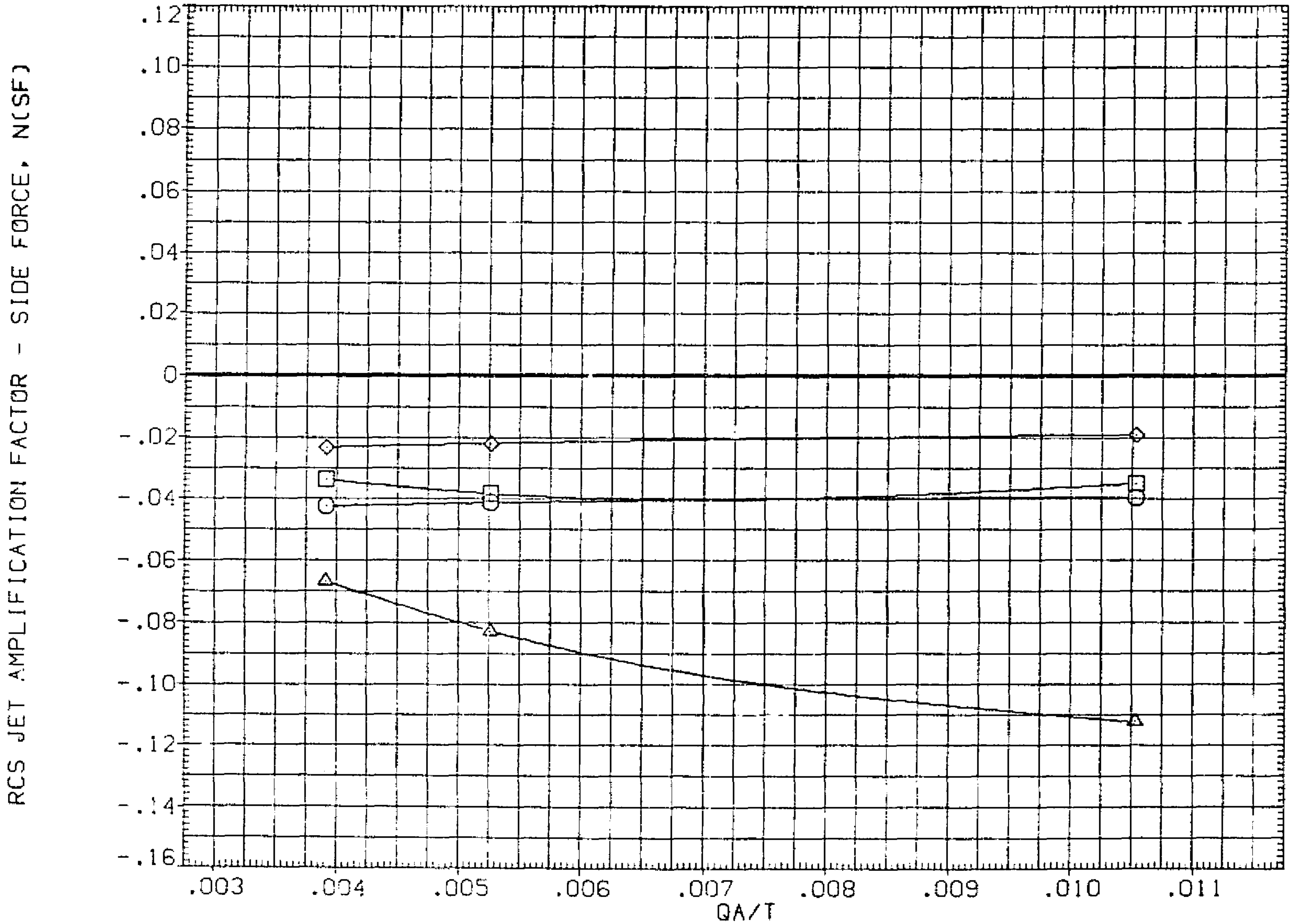


FIGURE 80. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N50N85

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

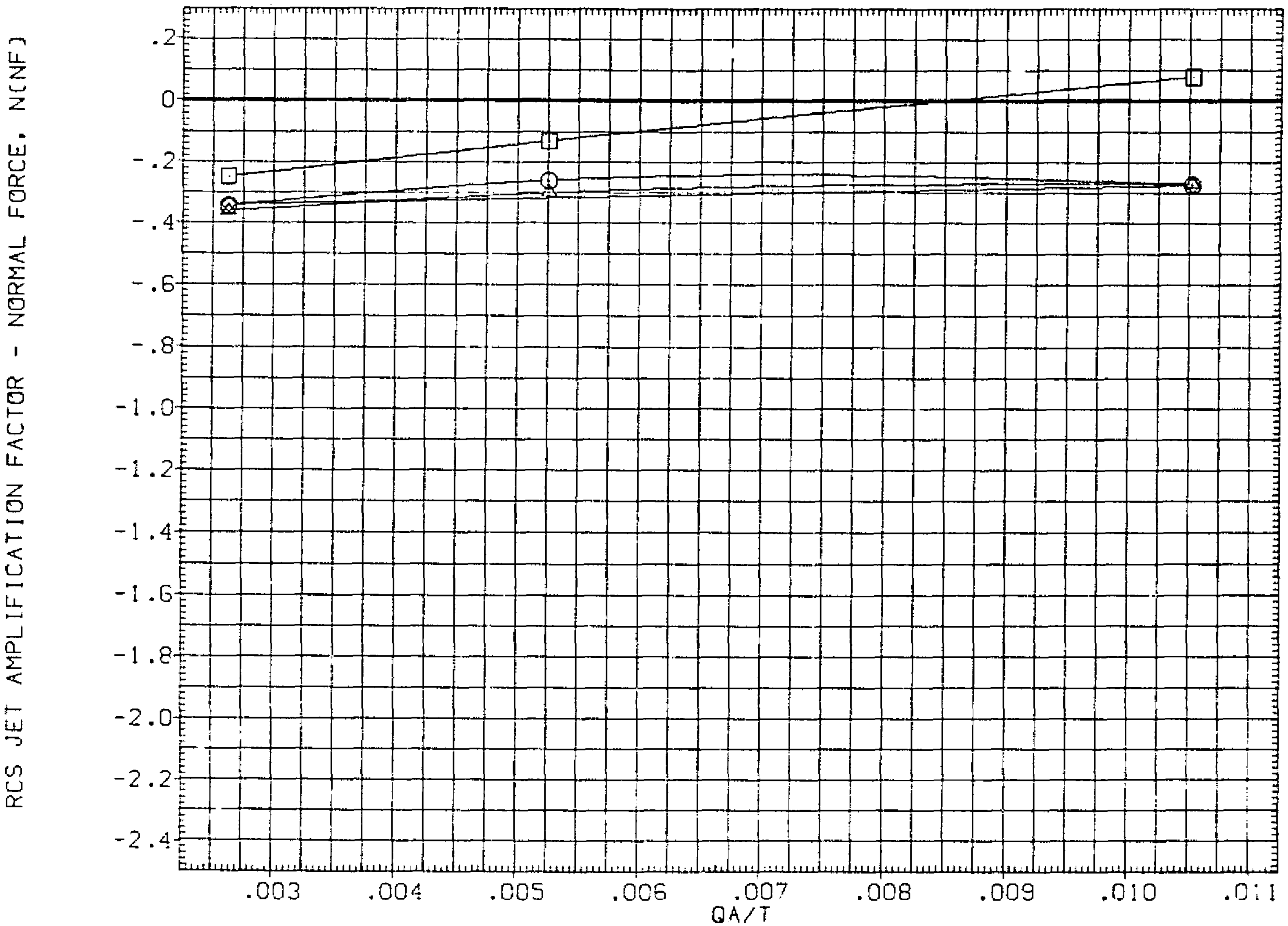


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

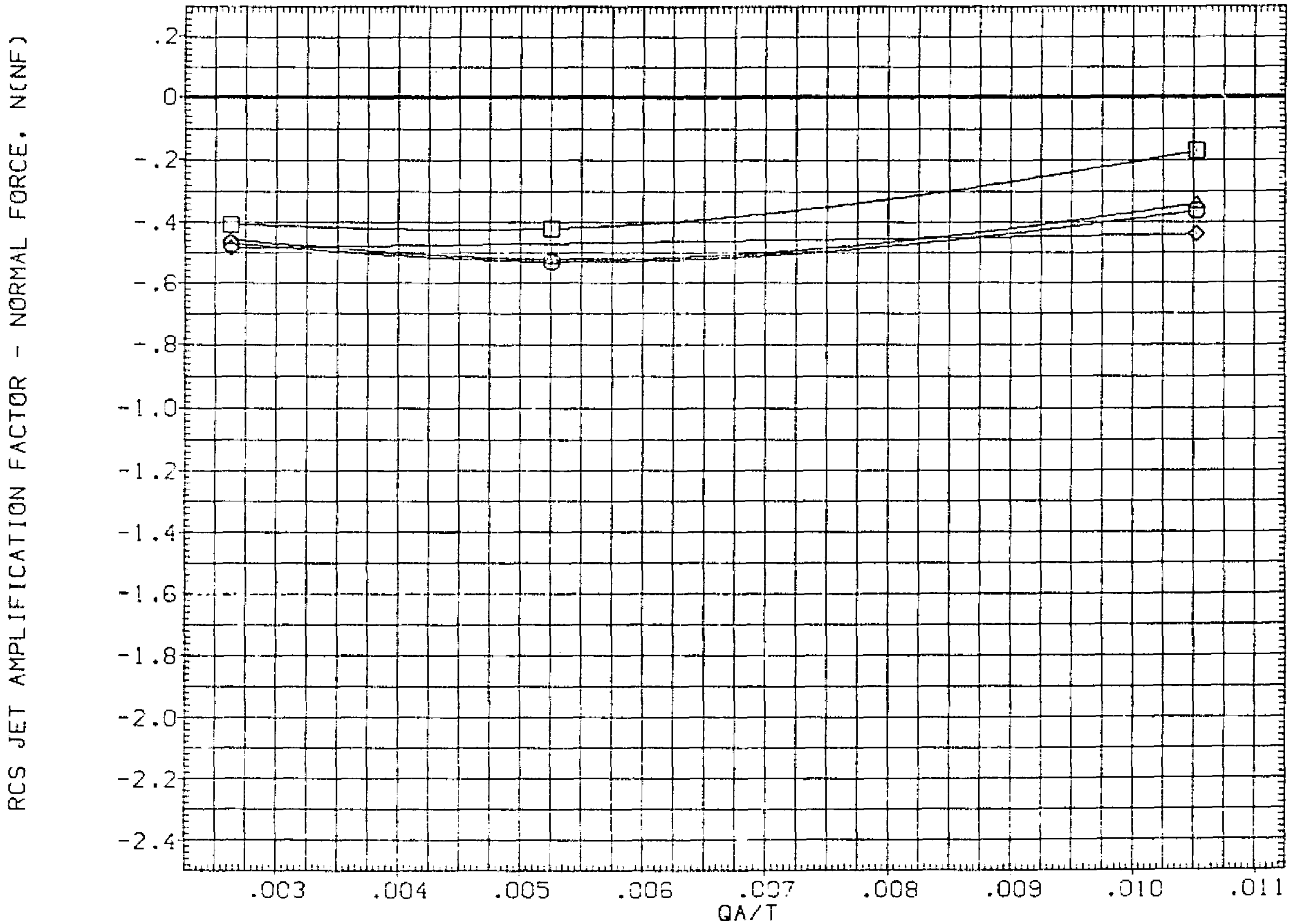


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

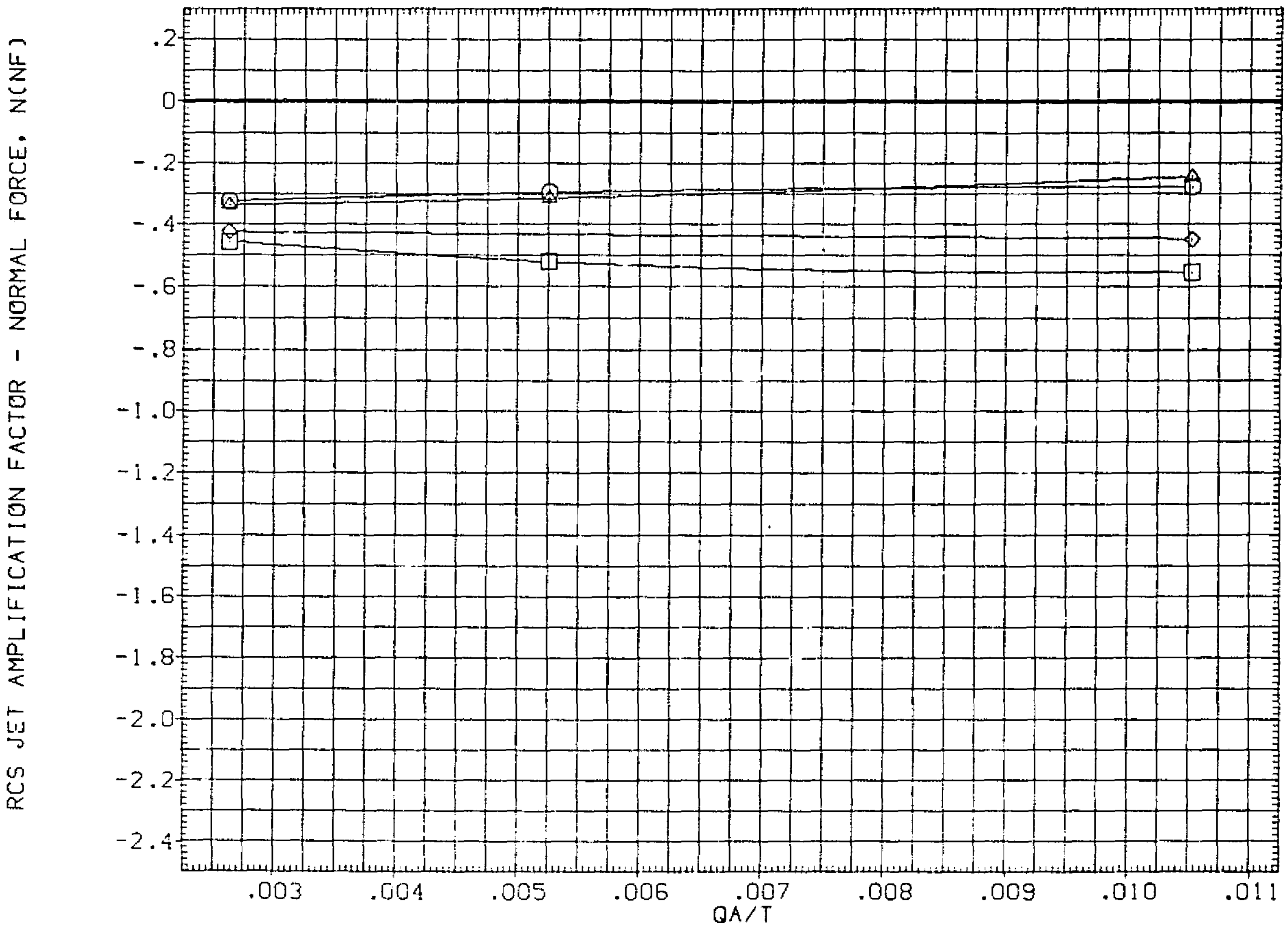


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA - 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NOJET	BDFLAP	BETA
(SJA020)	○	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

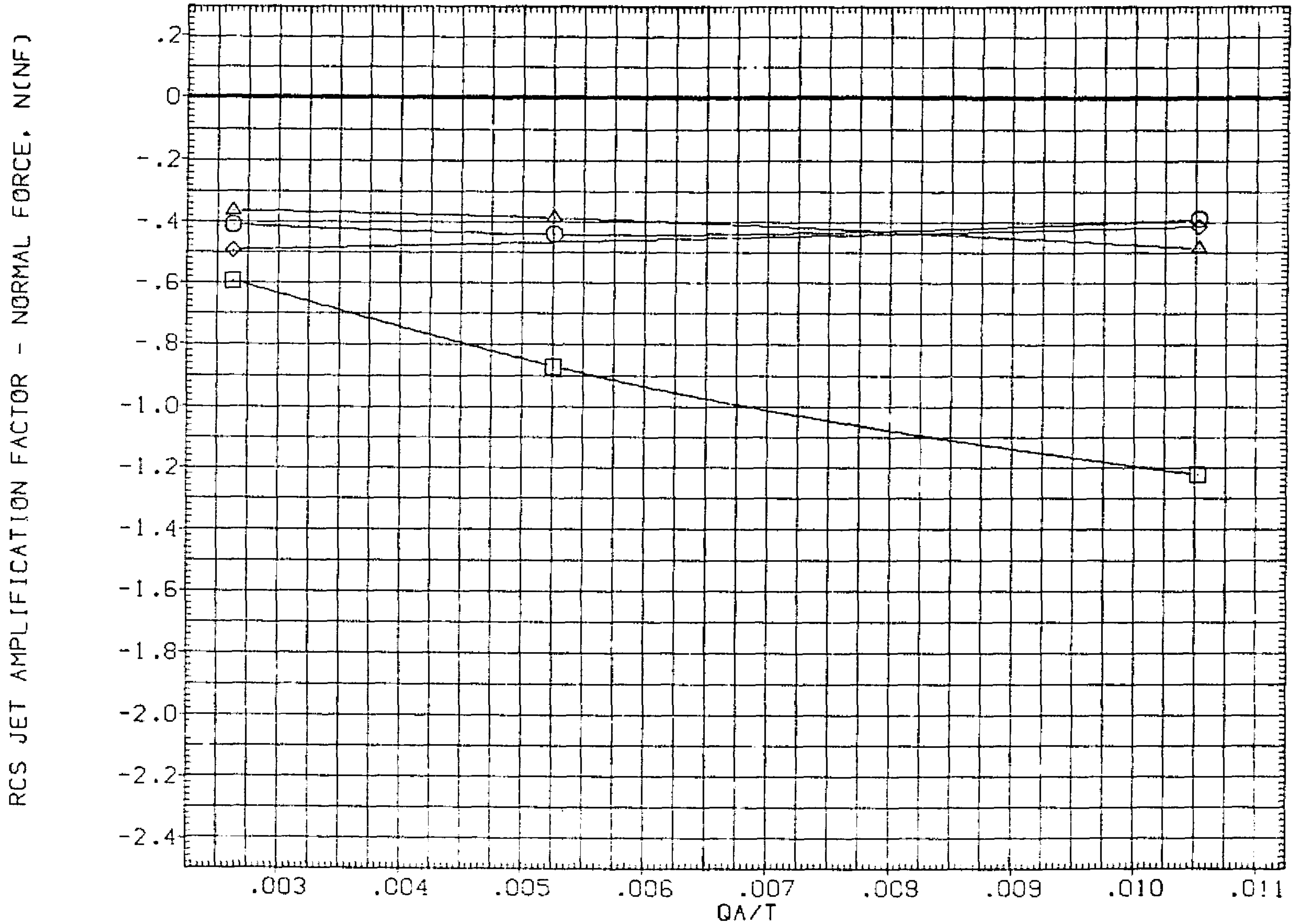


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

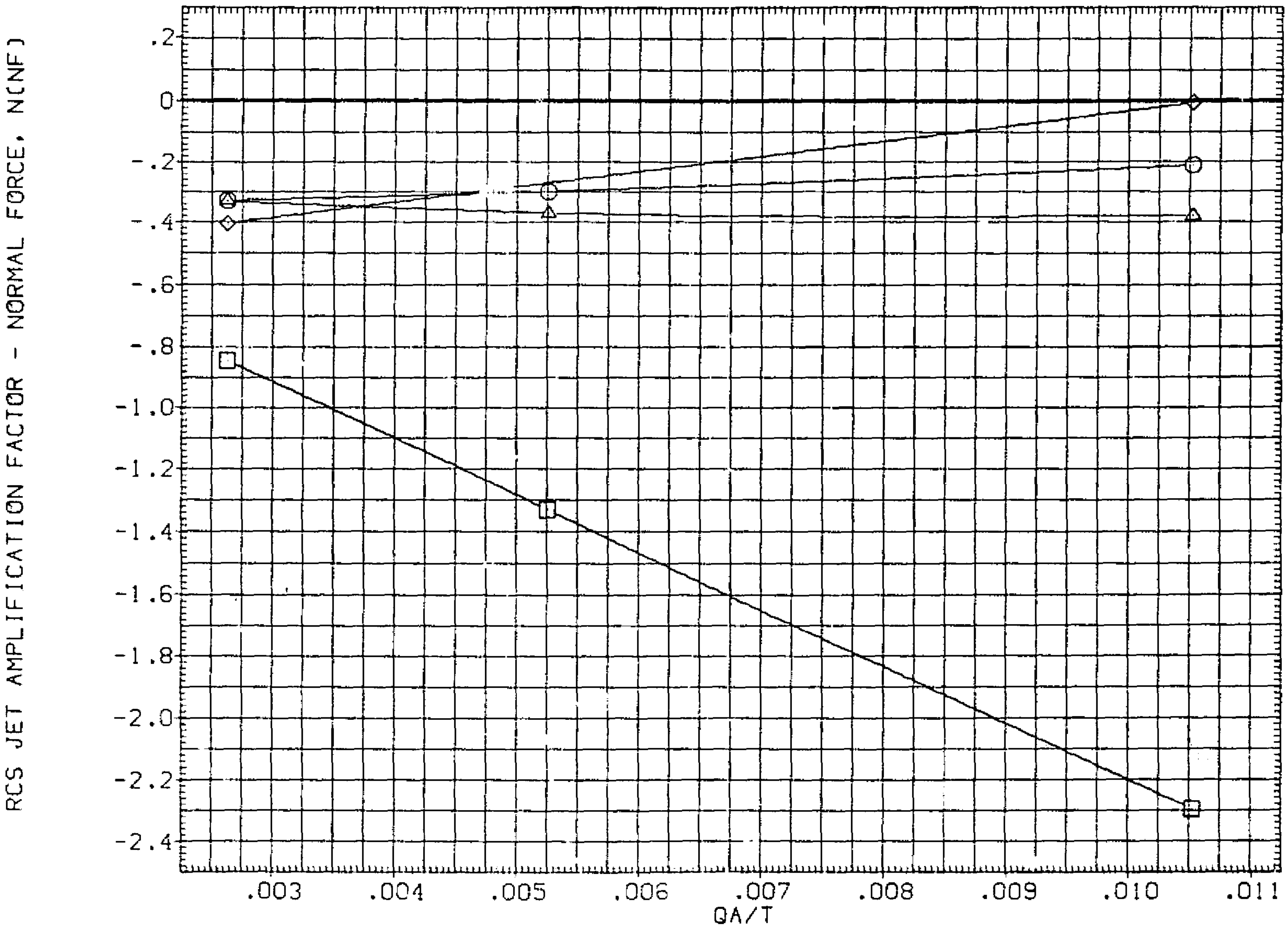


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 119 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

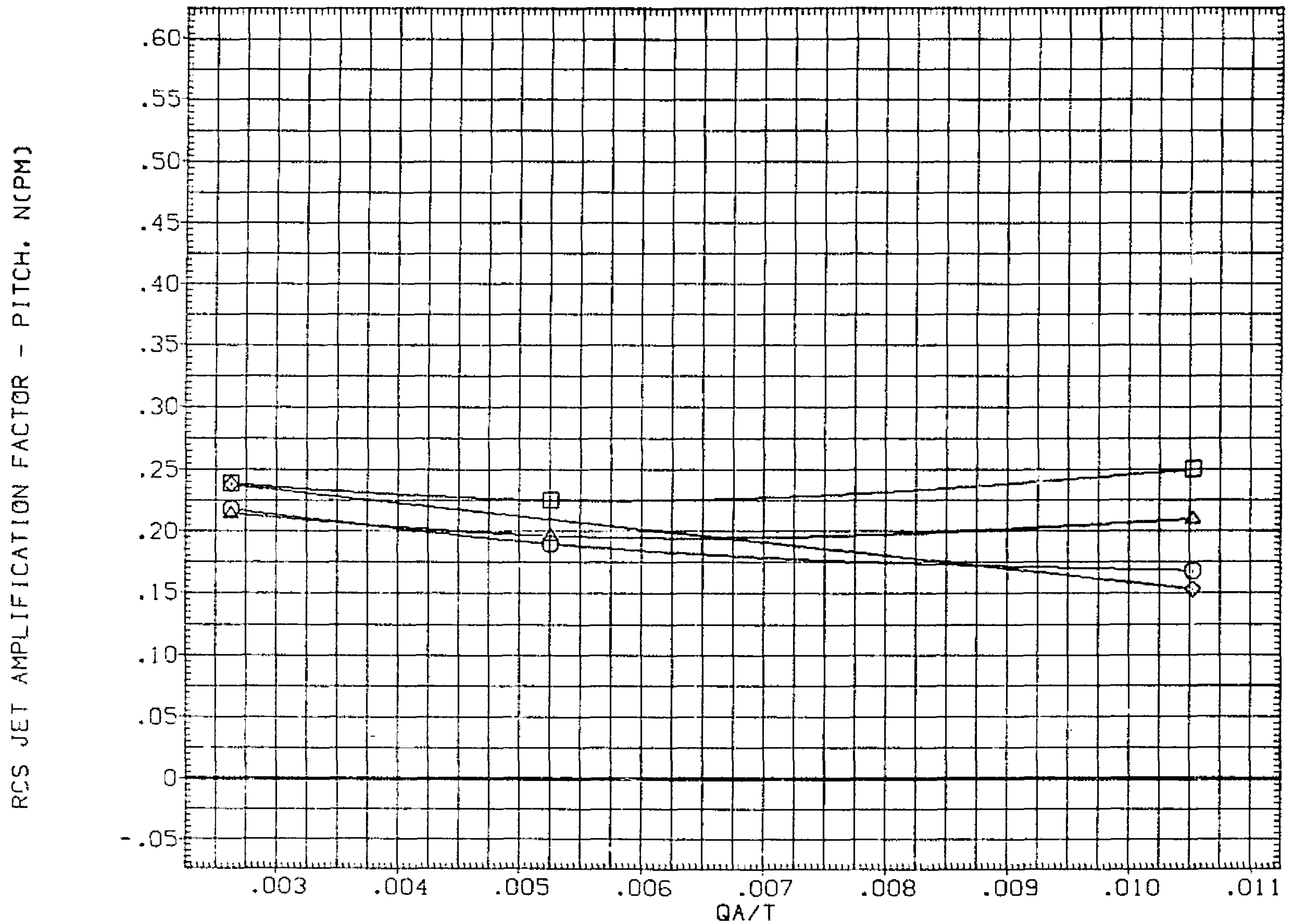


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

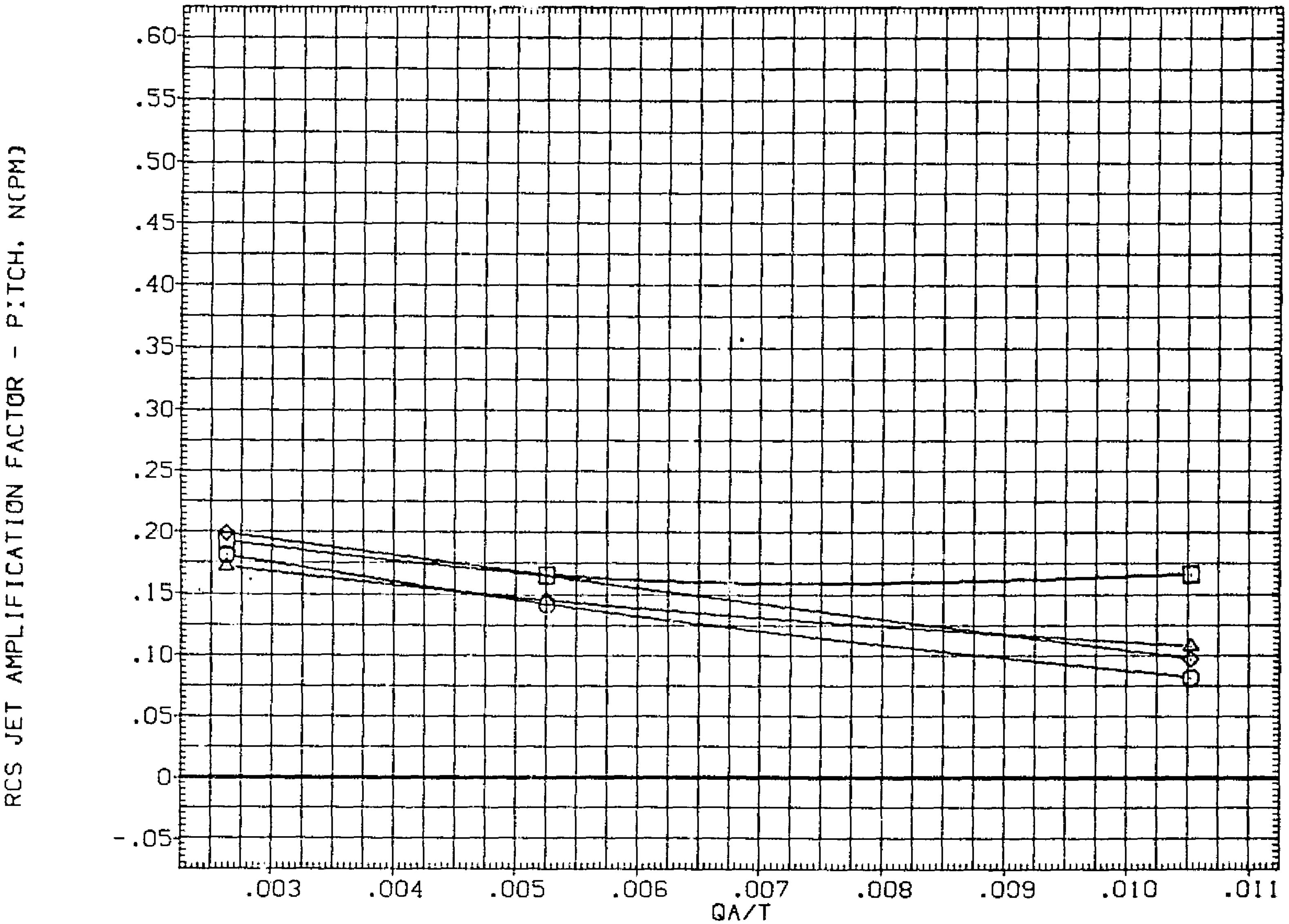


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

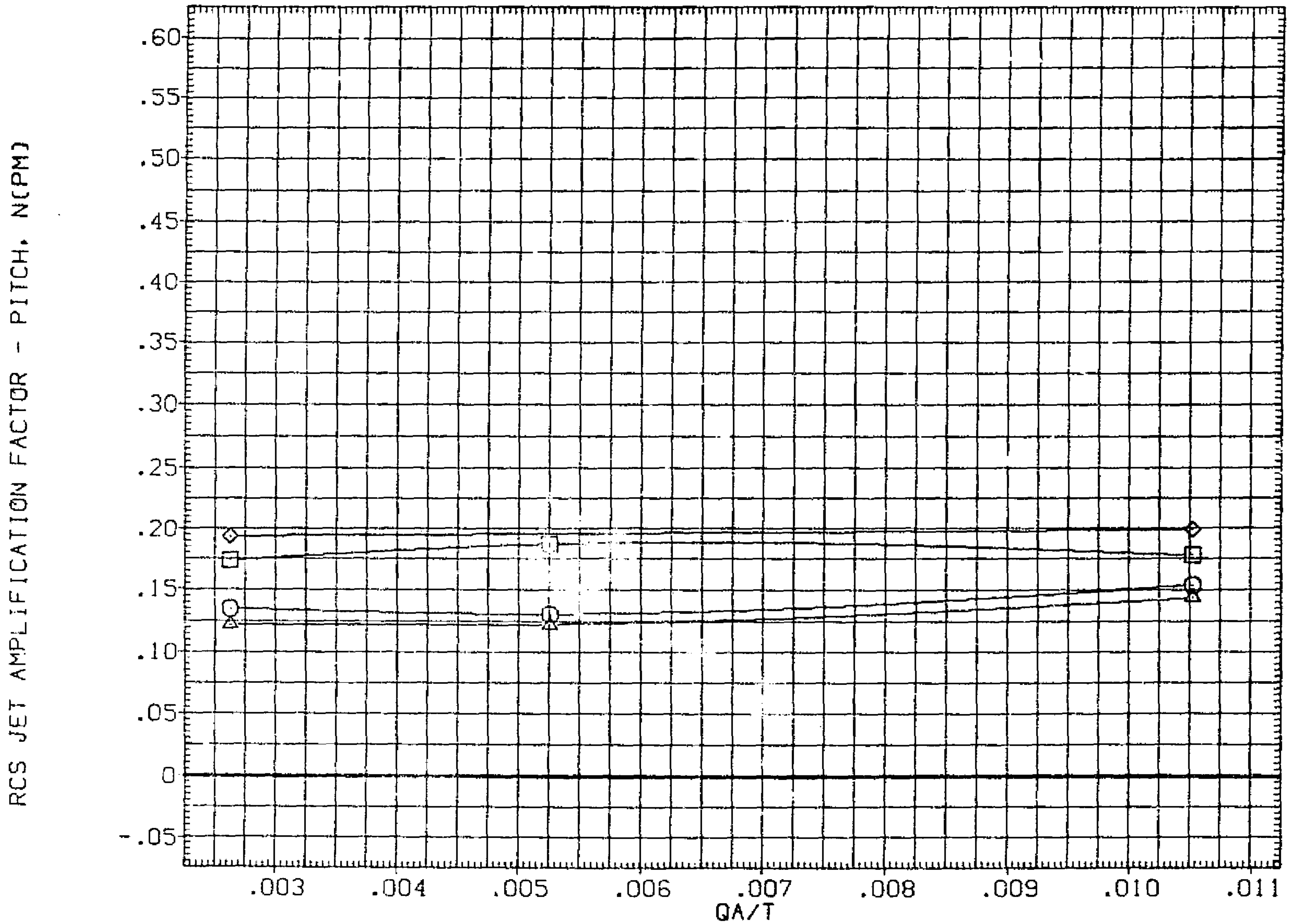


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

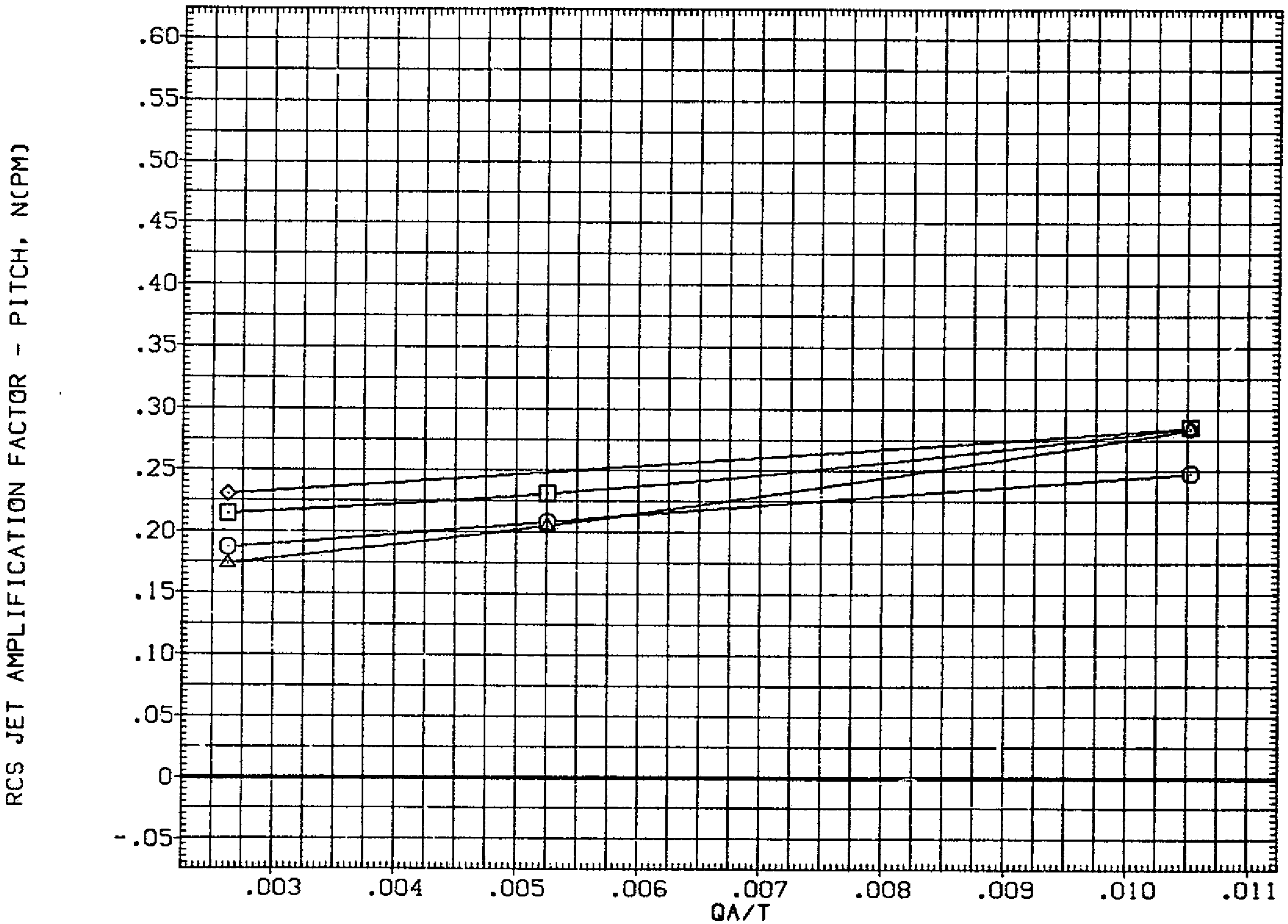


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

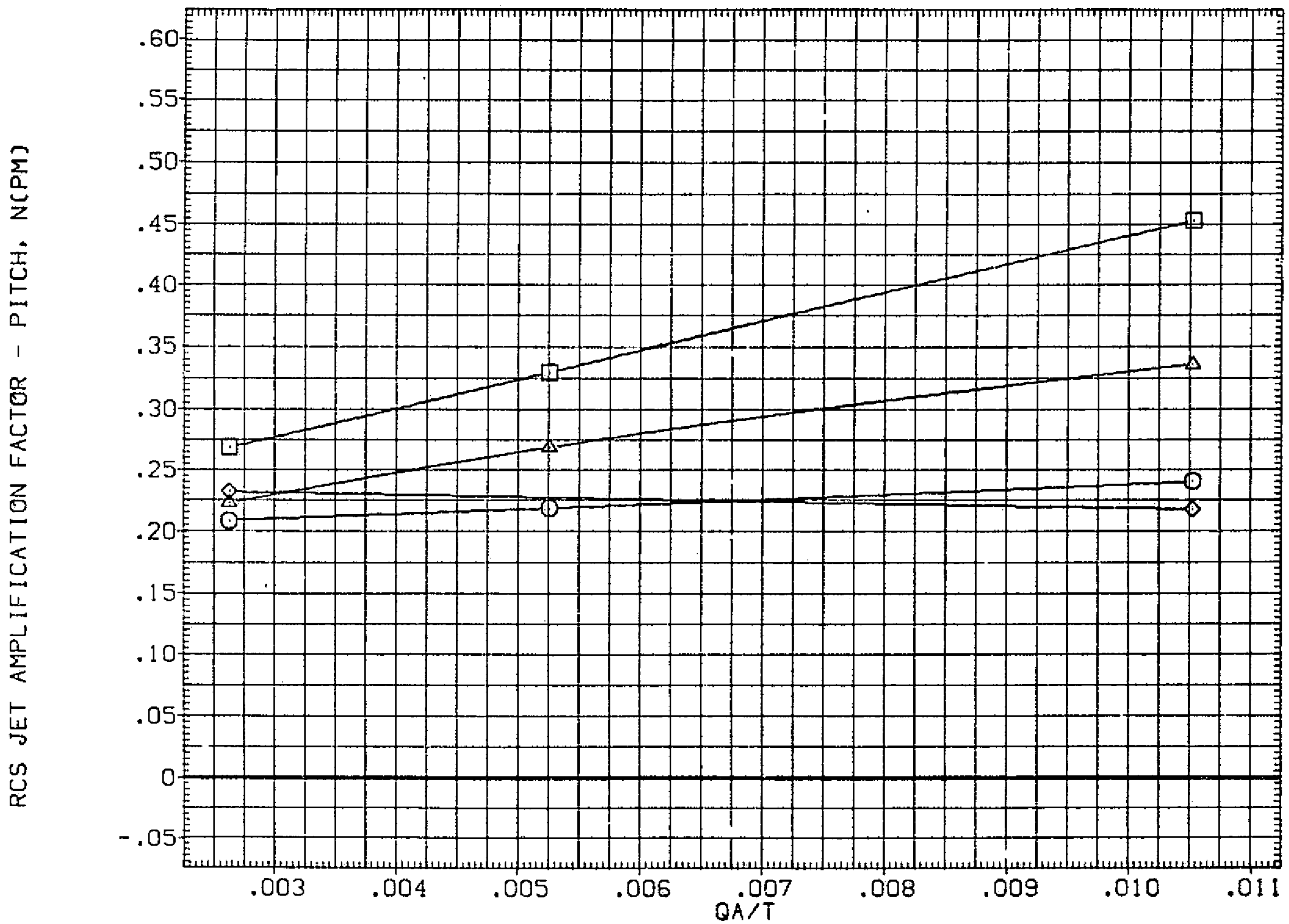


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)

ELEVON	NO.JET	BDFLAP	BETA
.000	2.000	-14.250	.000
10.000	2.000	.000	.000
10.000	2.000	-14.250	.000
.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

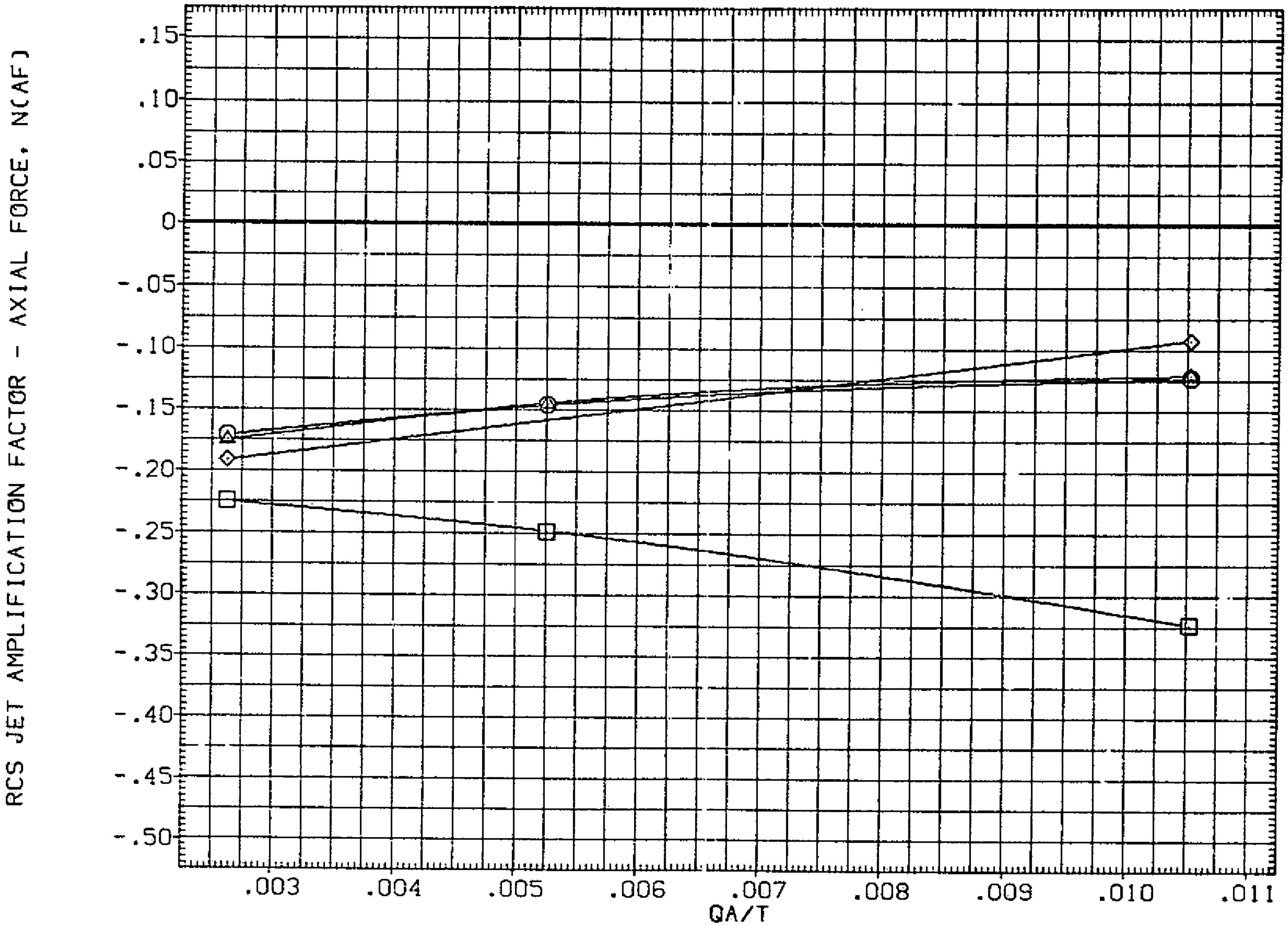


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

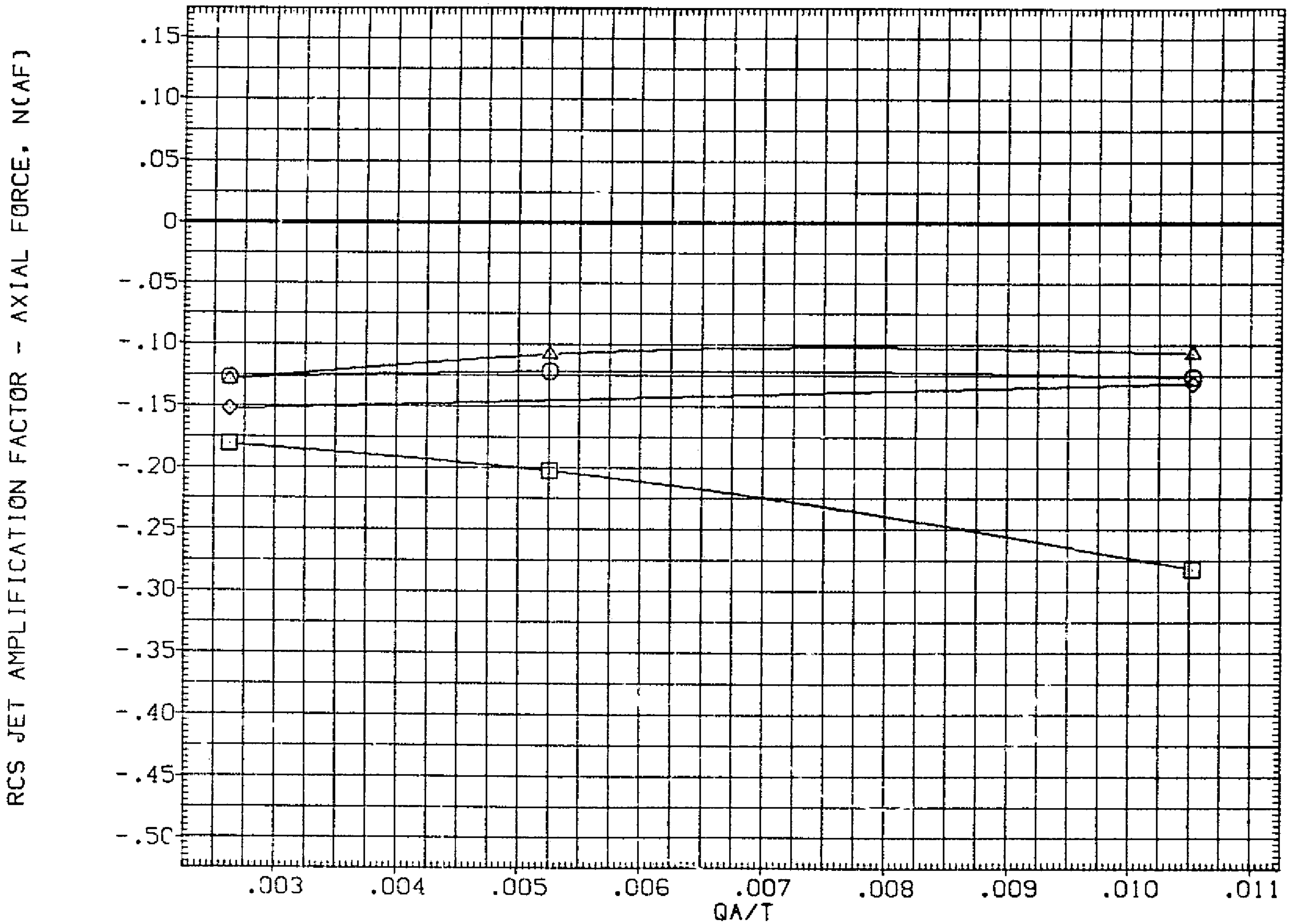


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
[SJA020]	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
[SJA027]	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
[SJA048]	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
[XJA009]	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

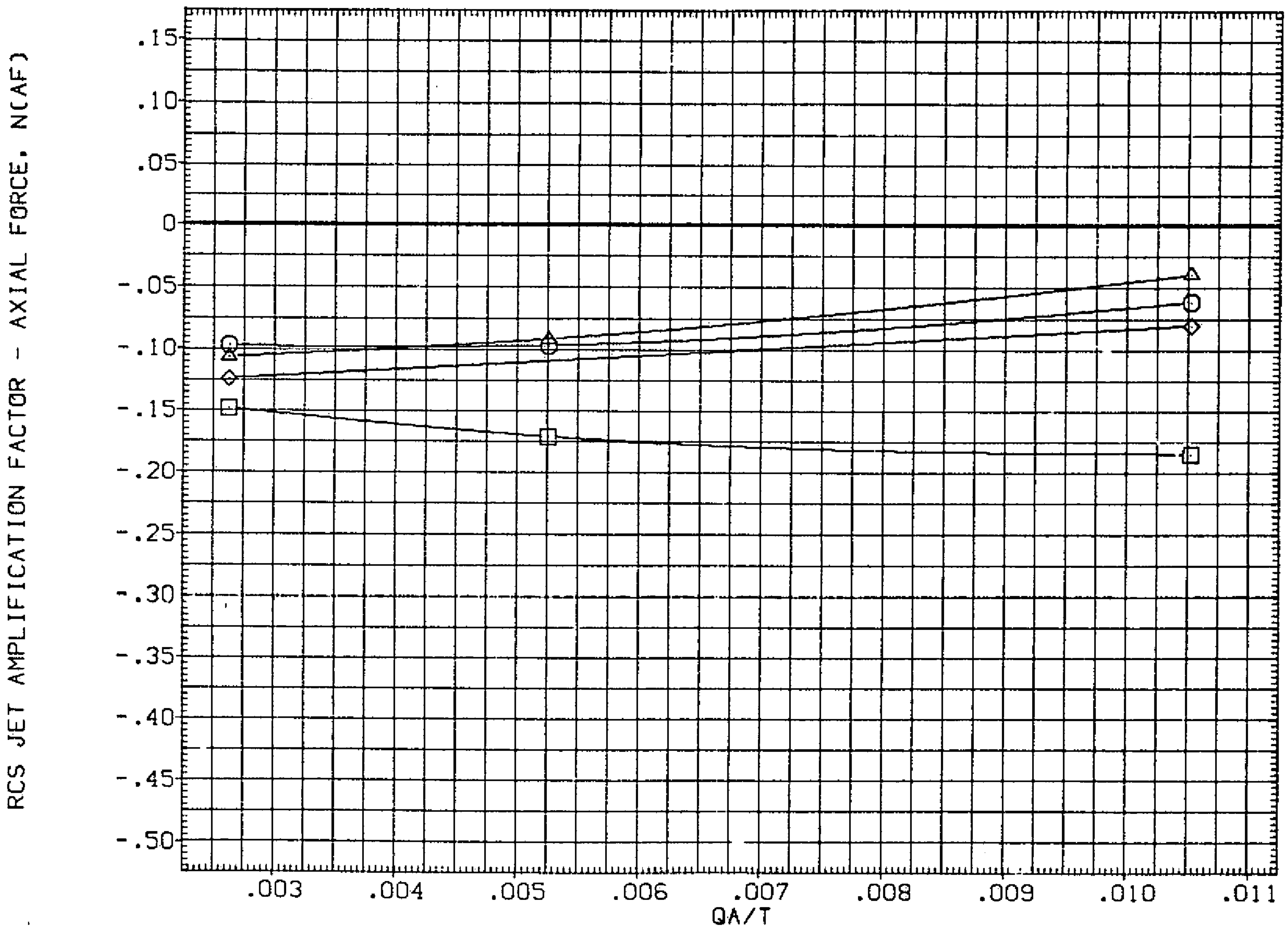


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

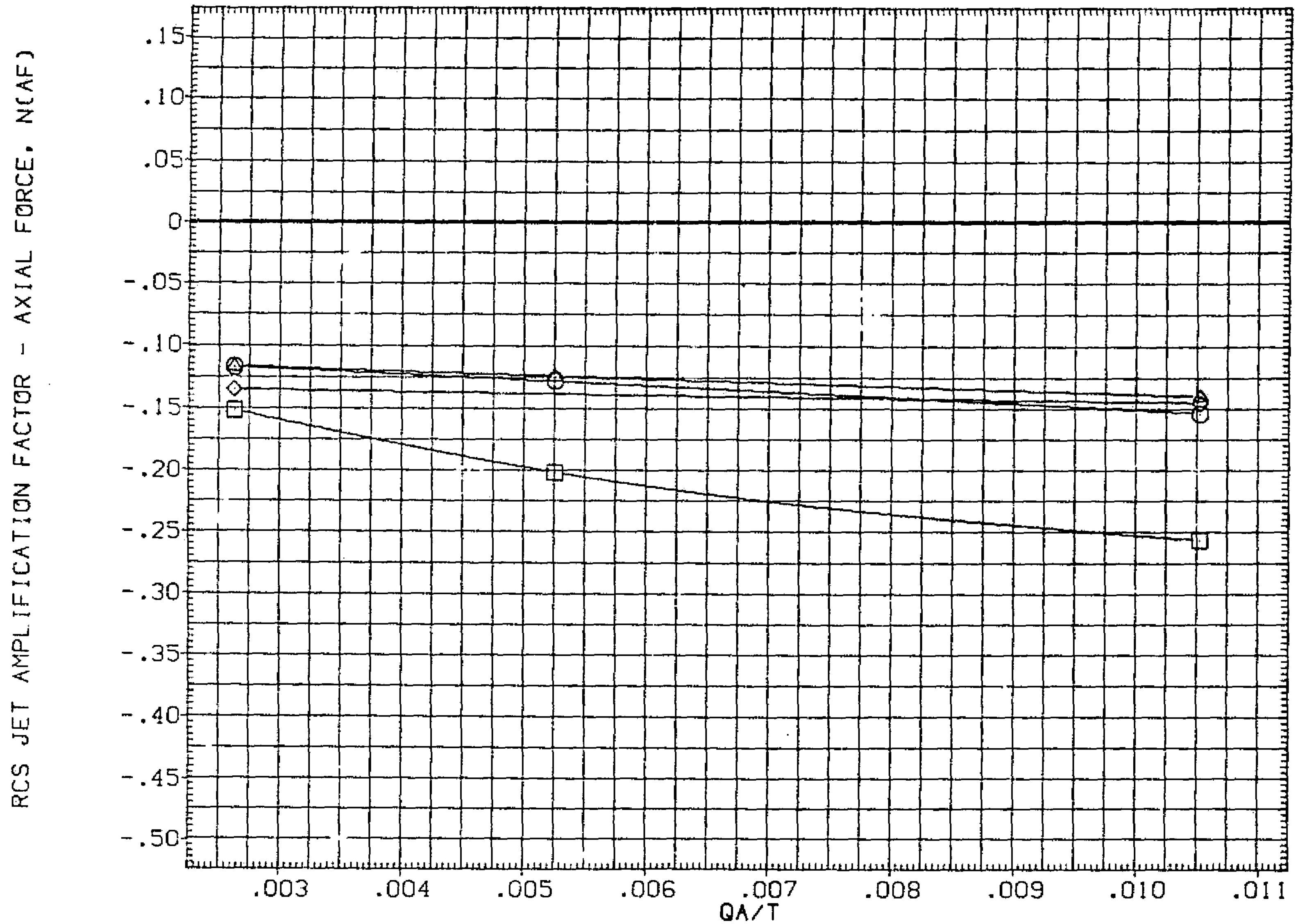


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

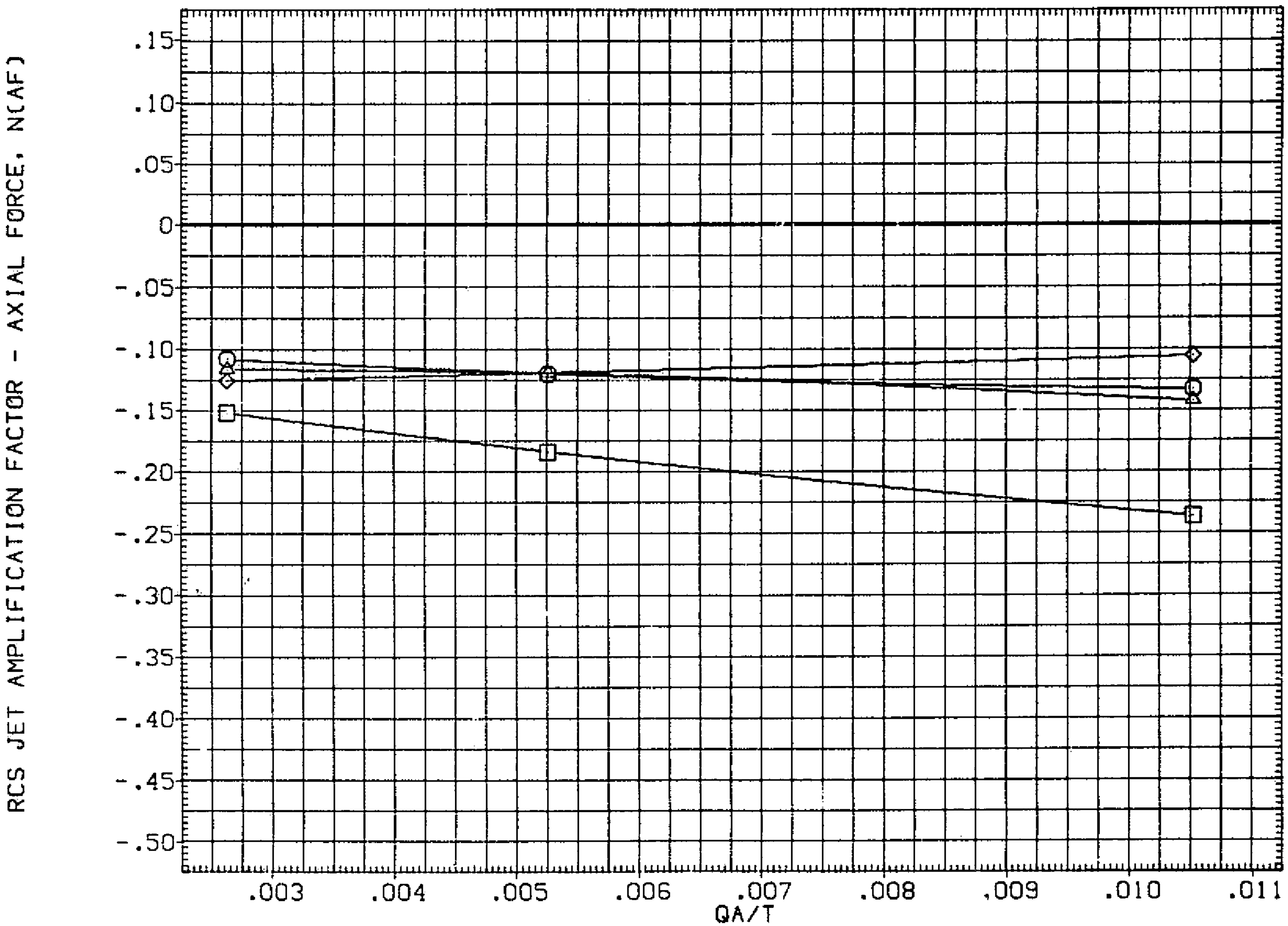


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6600	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

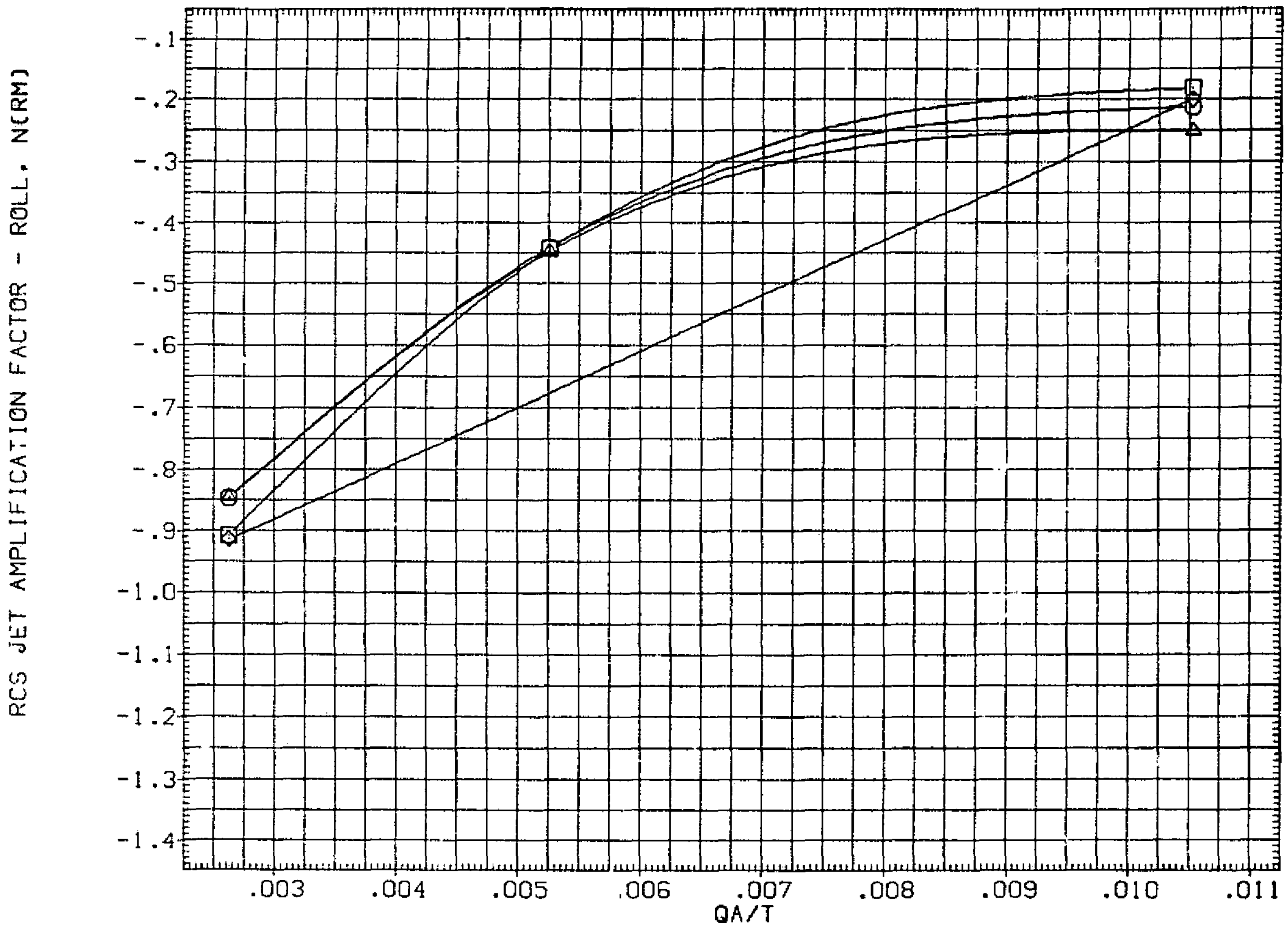


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

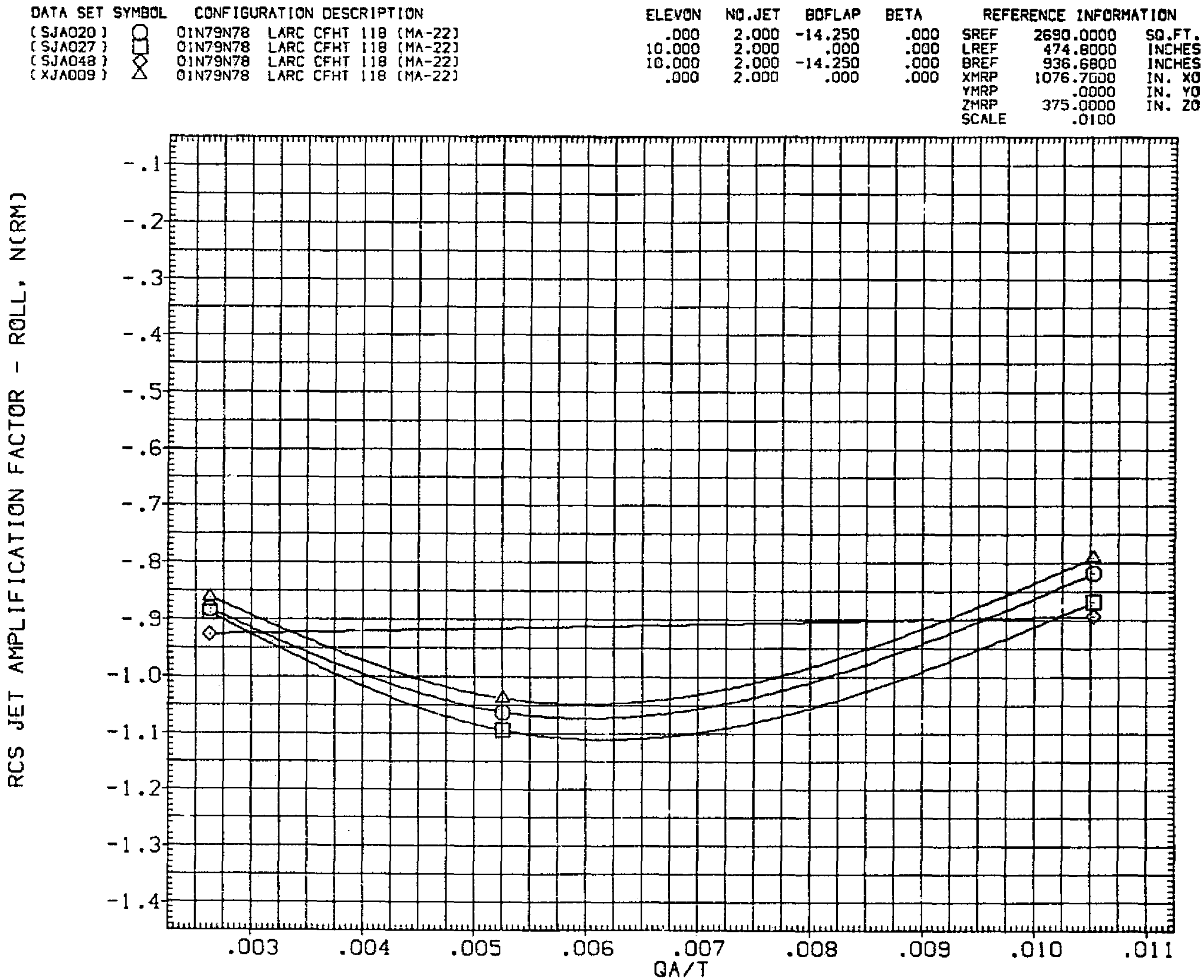


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

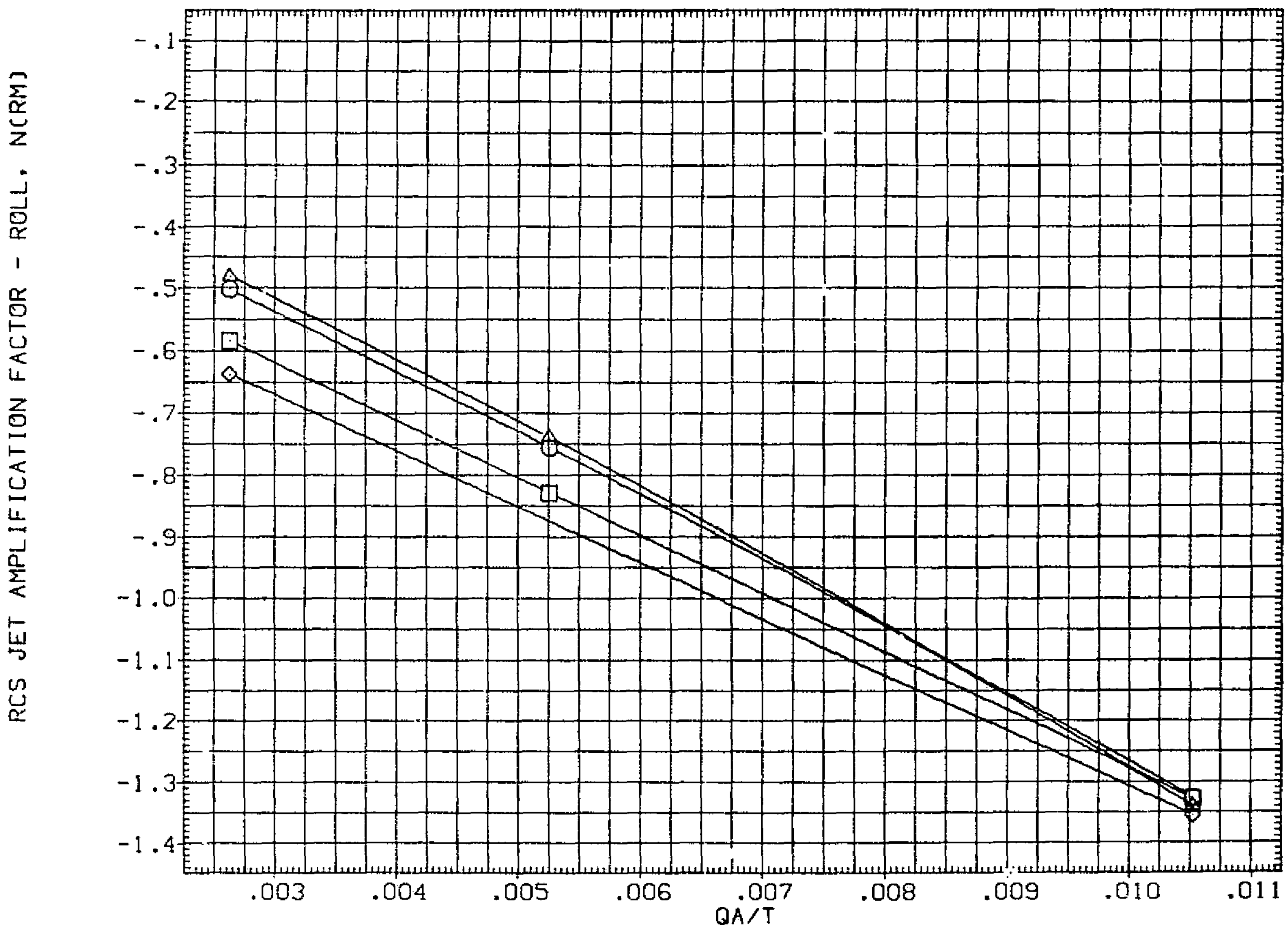


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

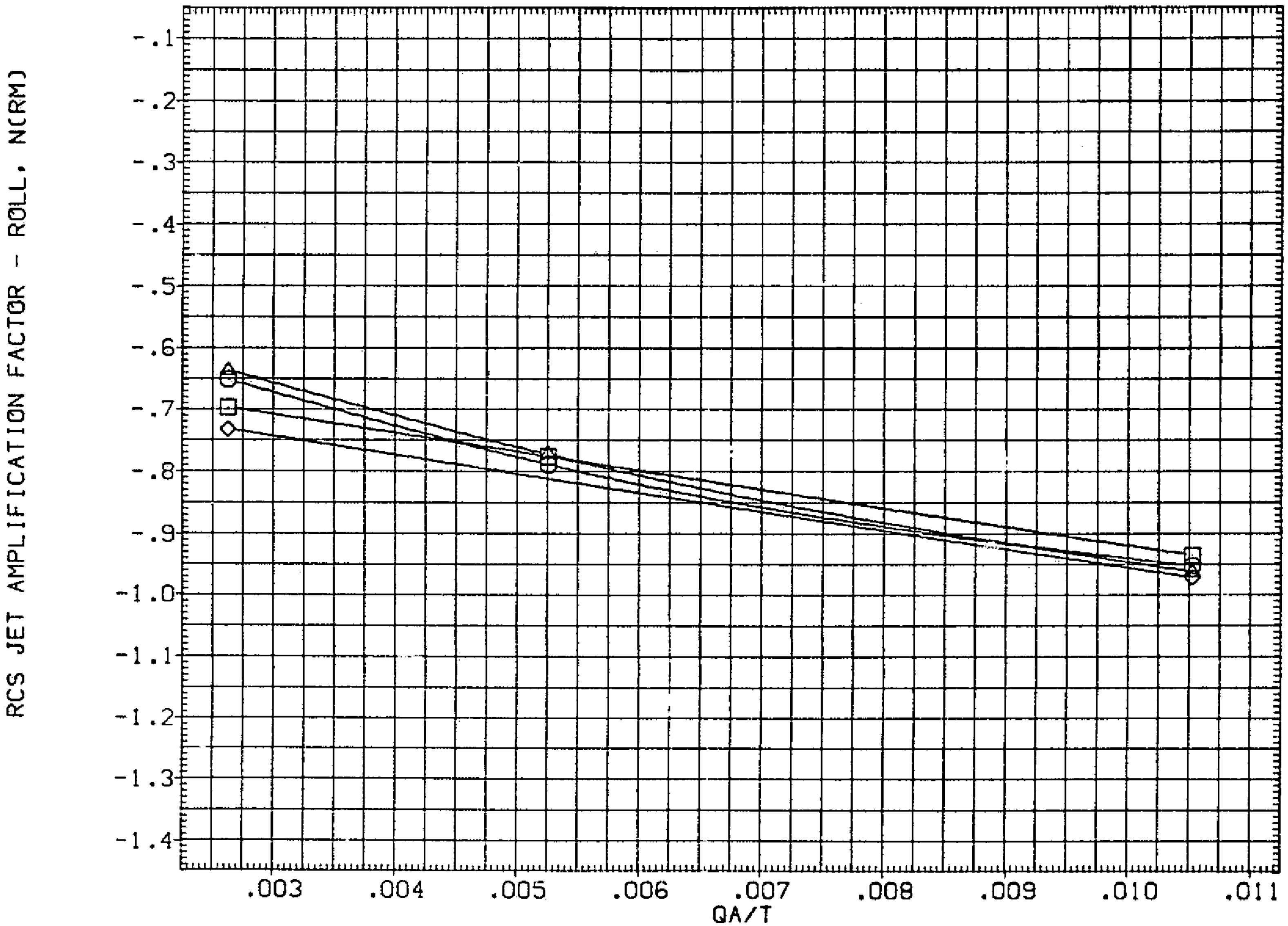


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

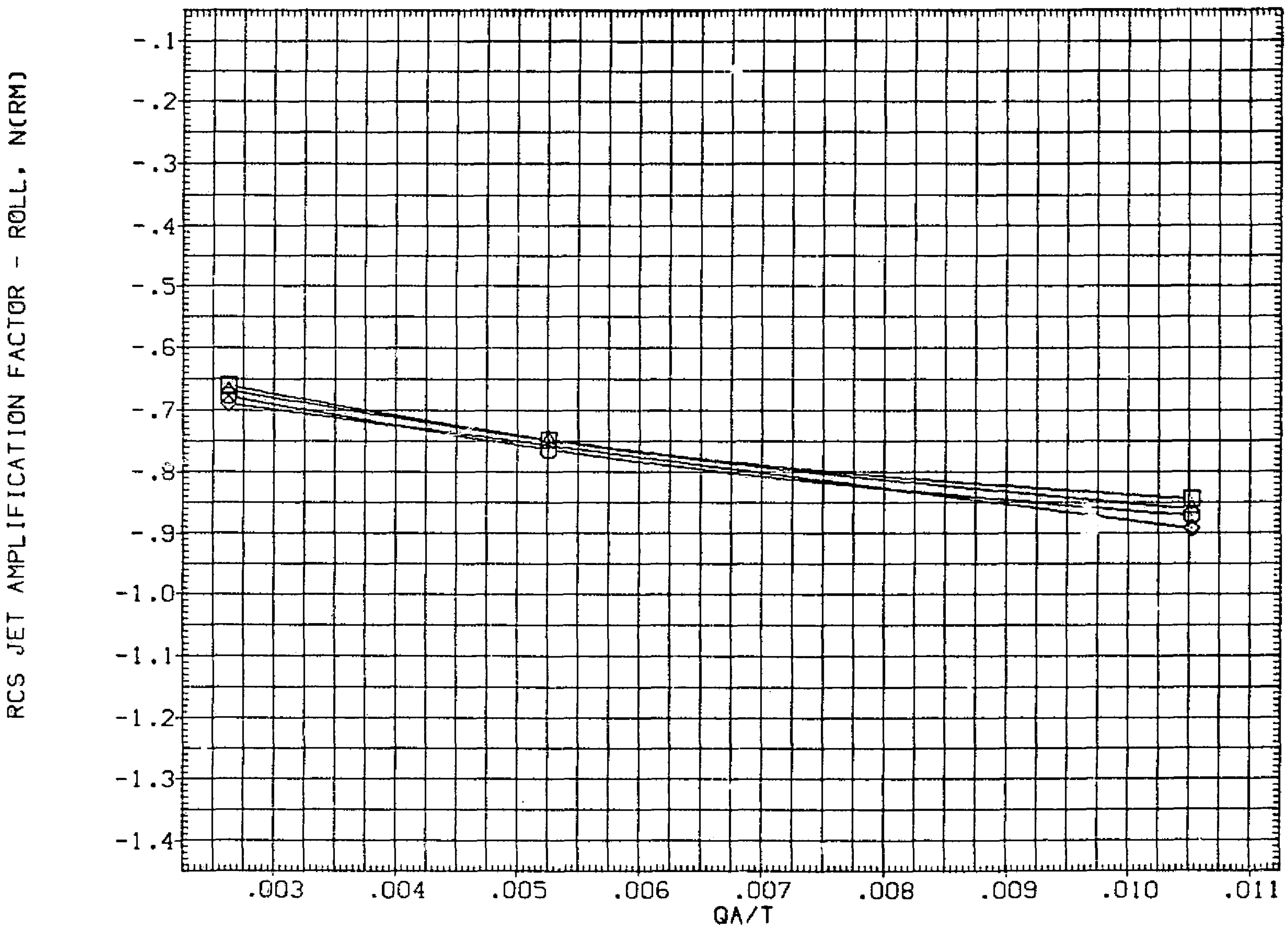


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

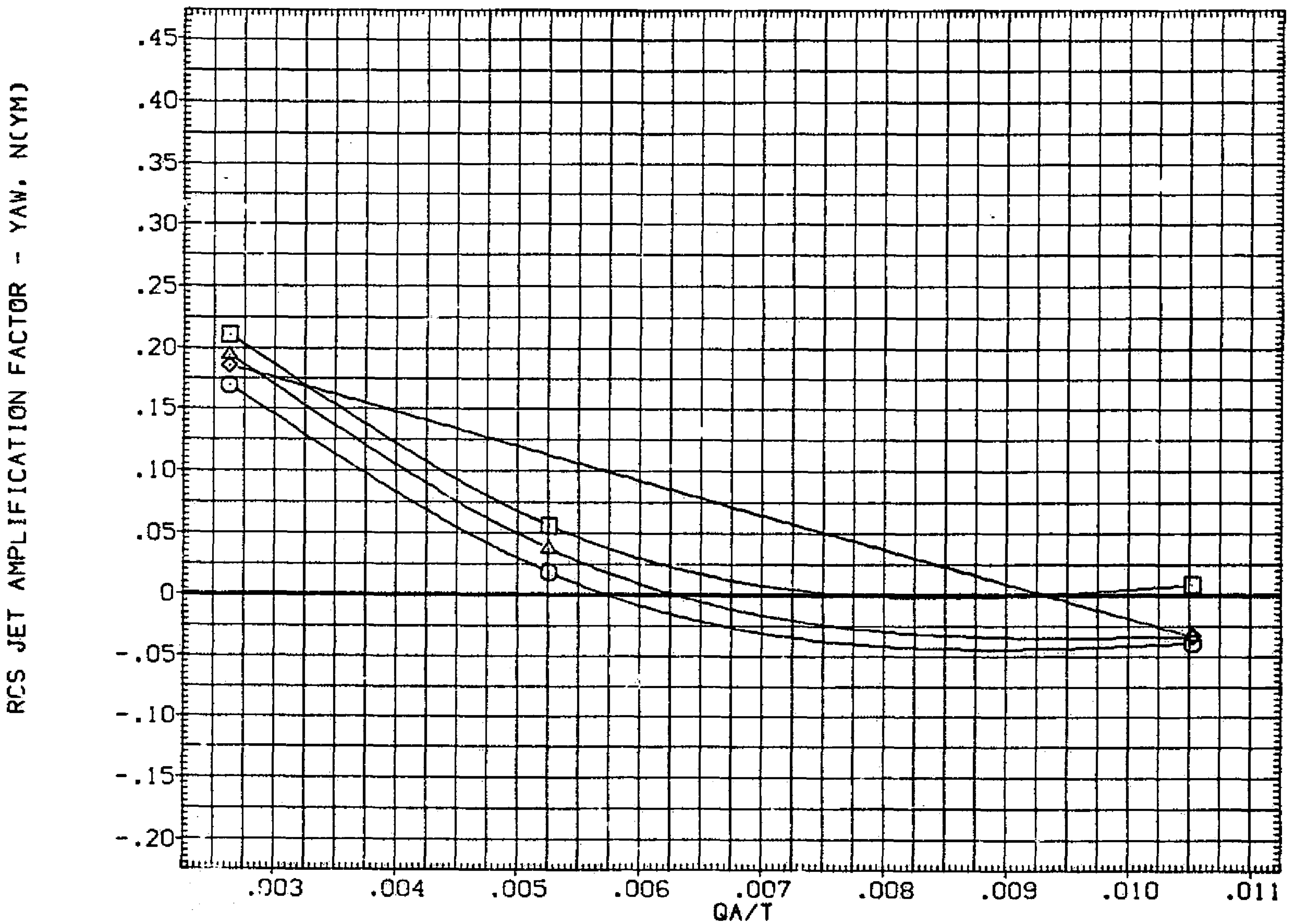


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

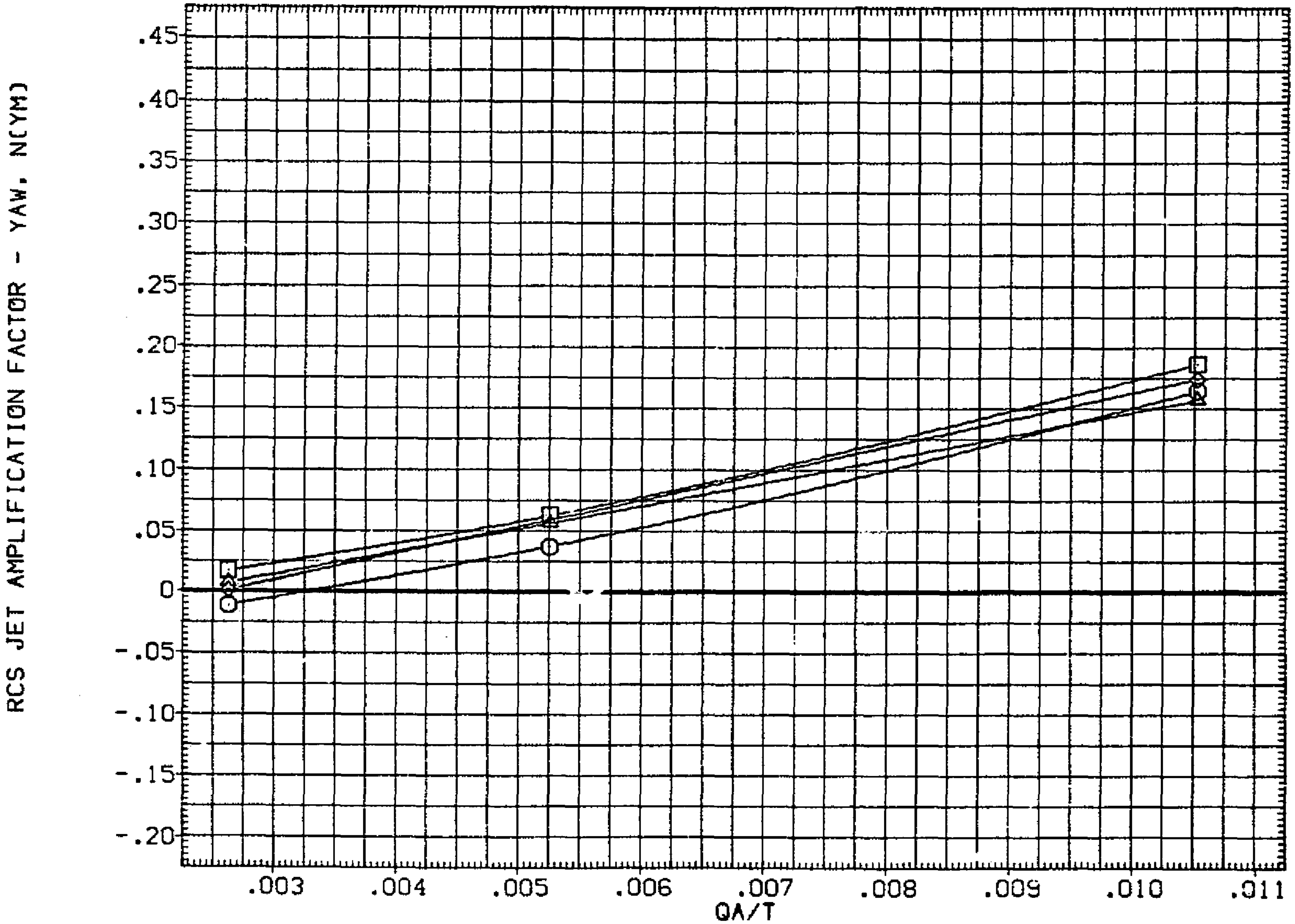


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78
(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

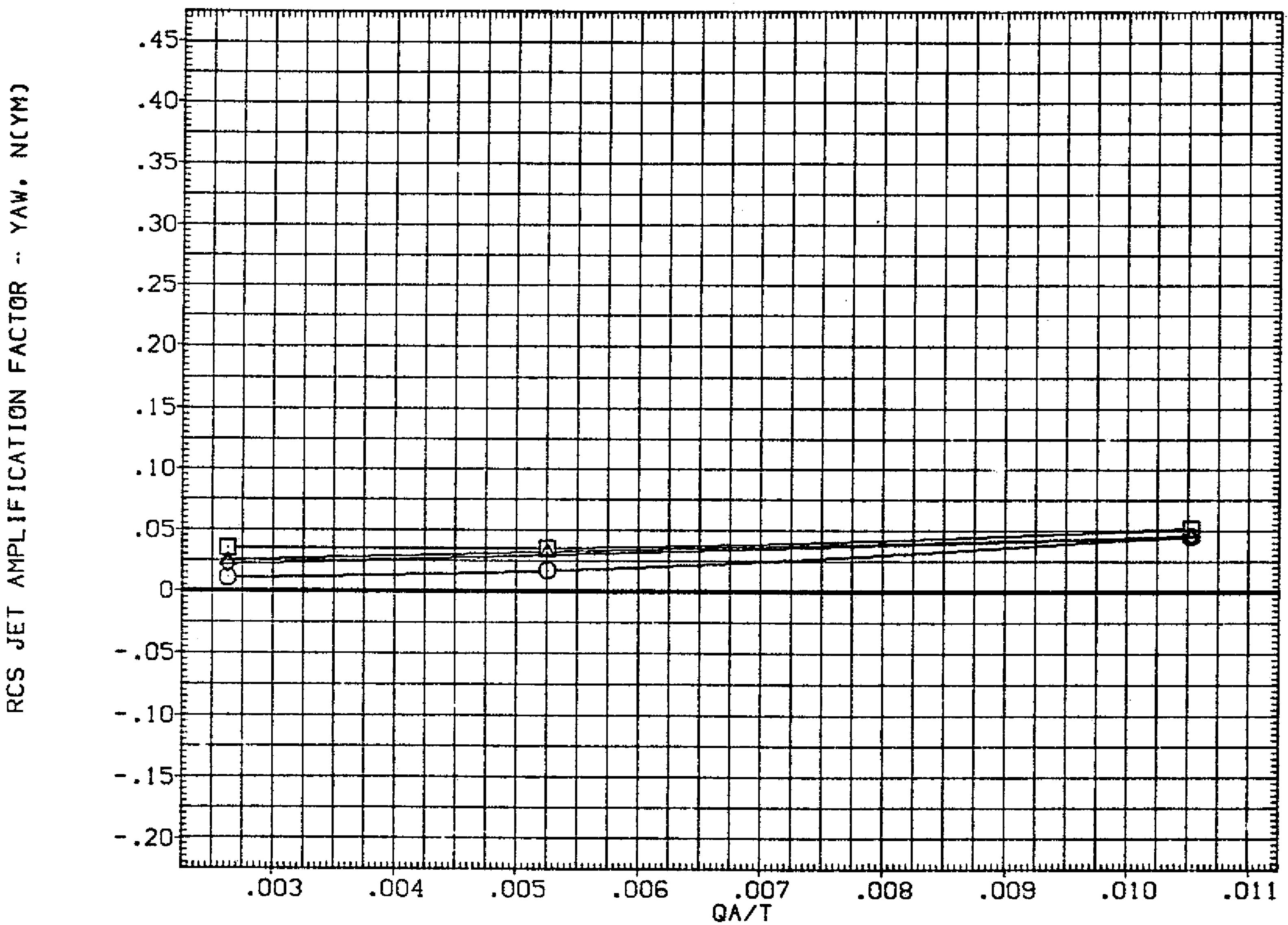


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

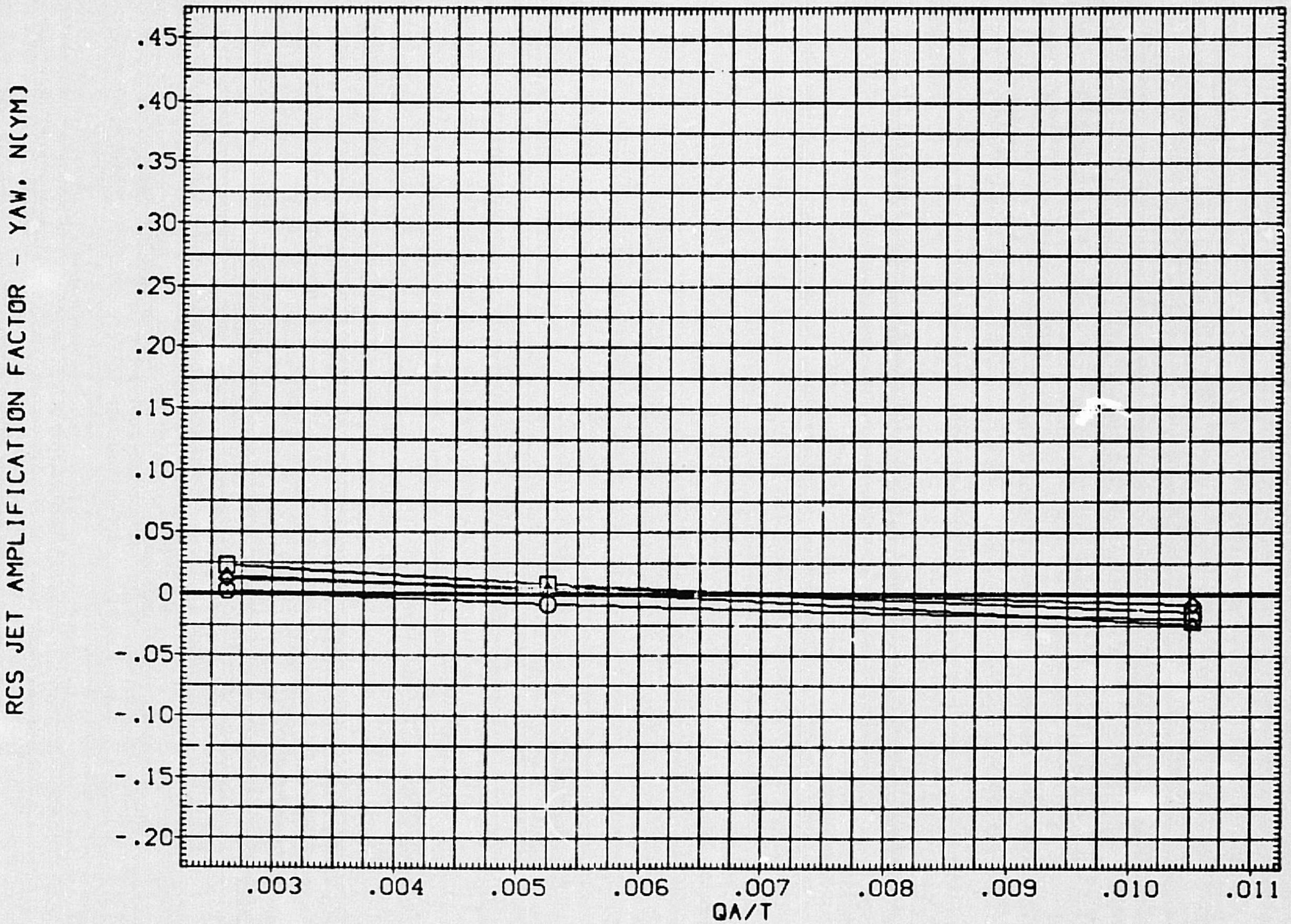


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
[SJA020]	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
[SJA027]	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
[SJA048]	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
[XJA009]	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

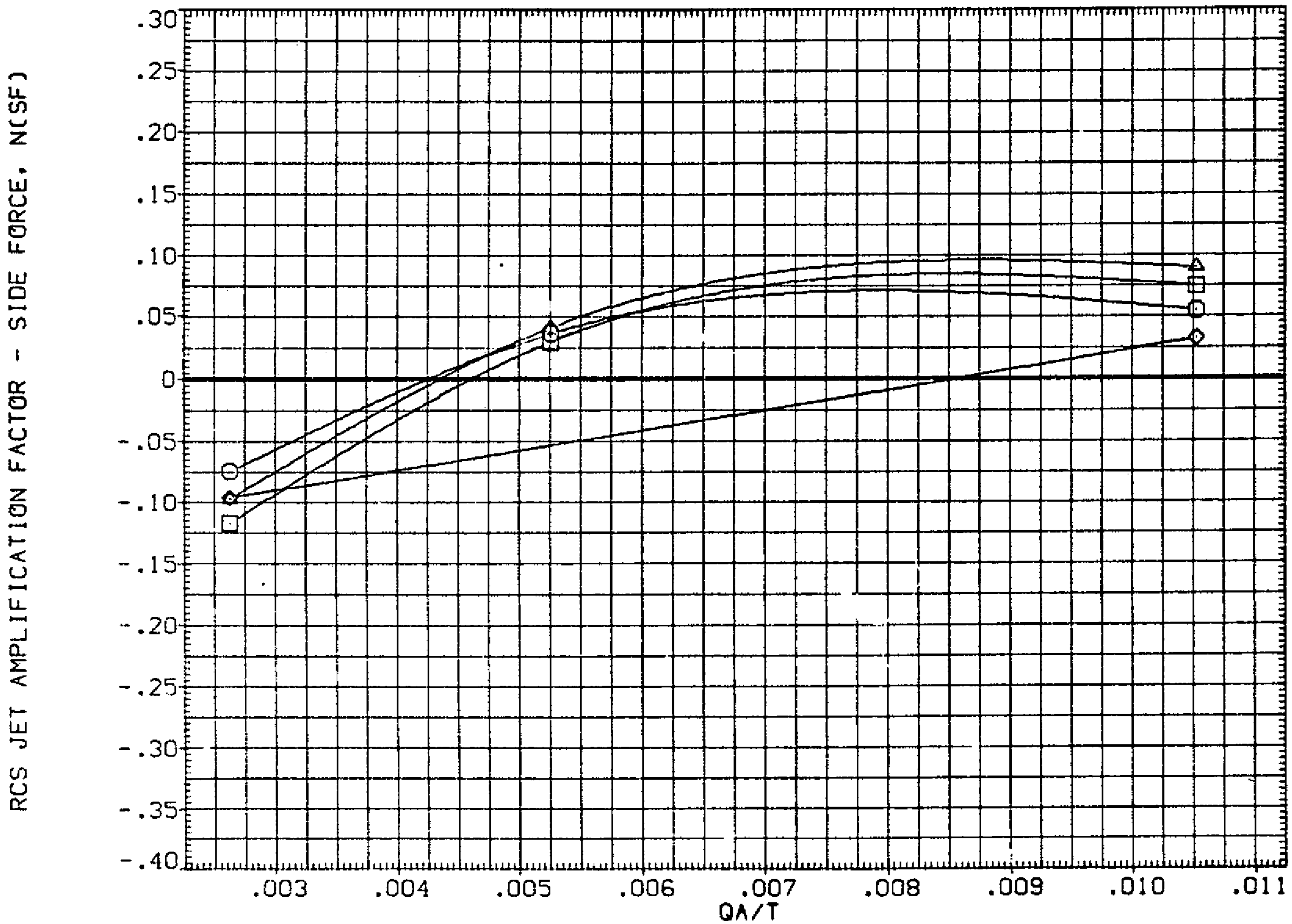


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

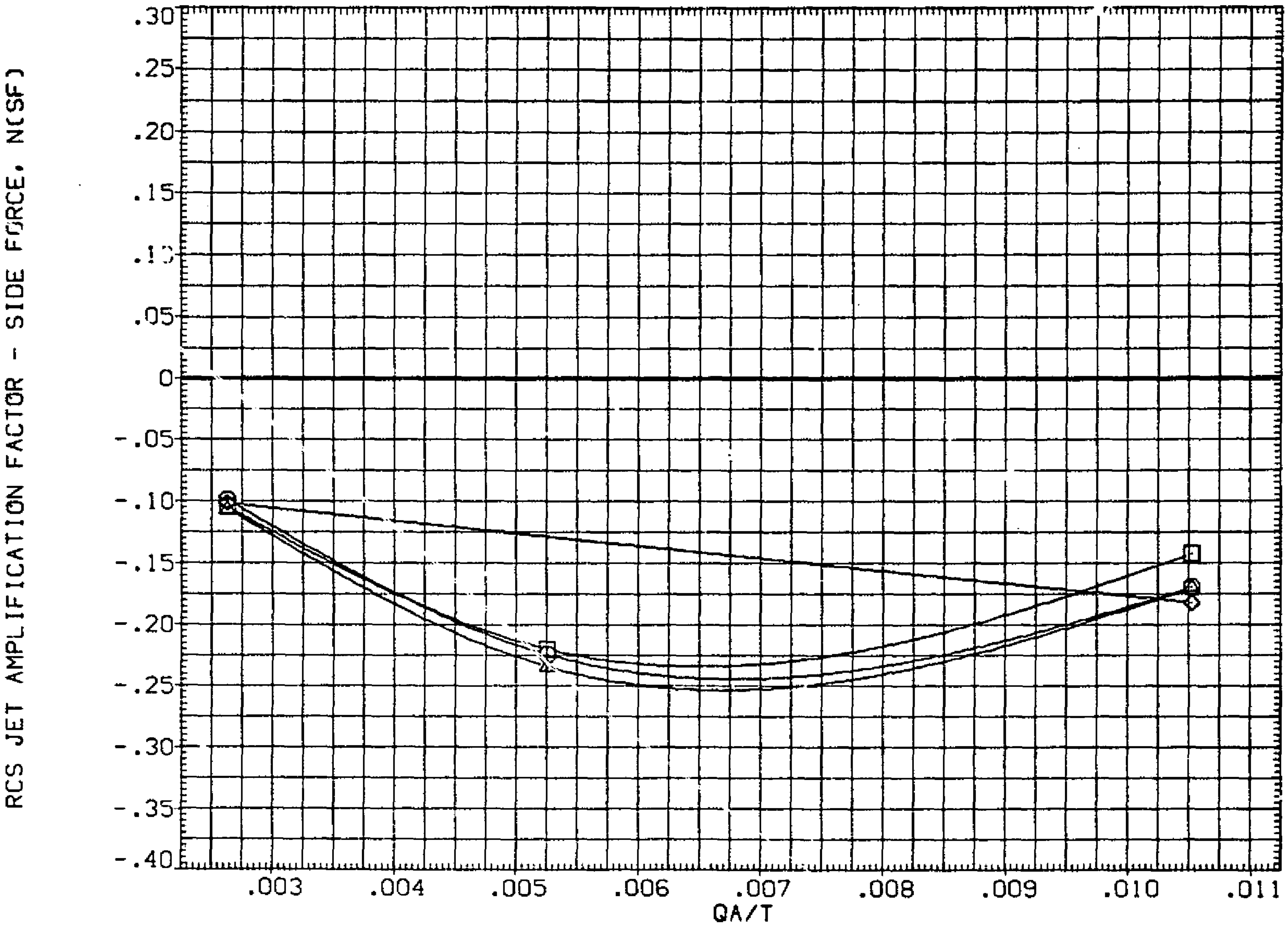


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	0IN79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	0IN79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

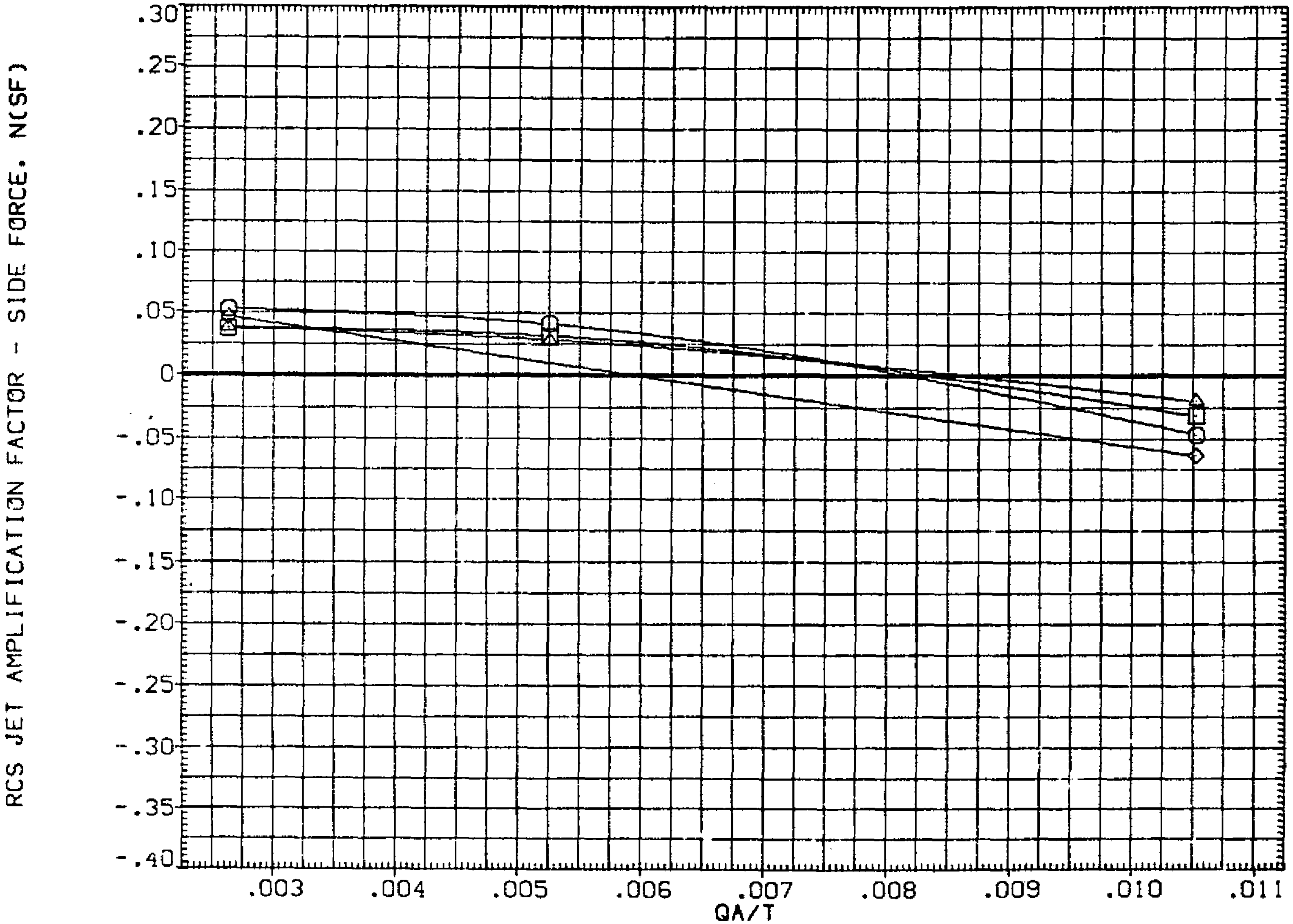


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(C)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

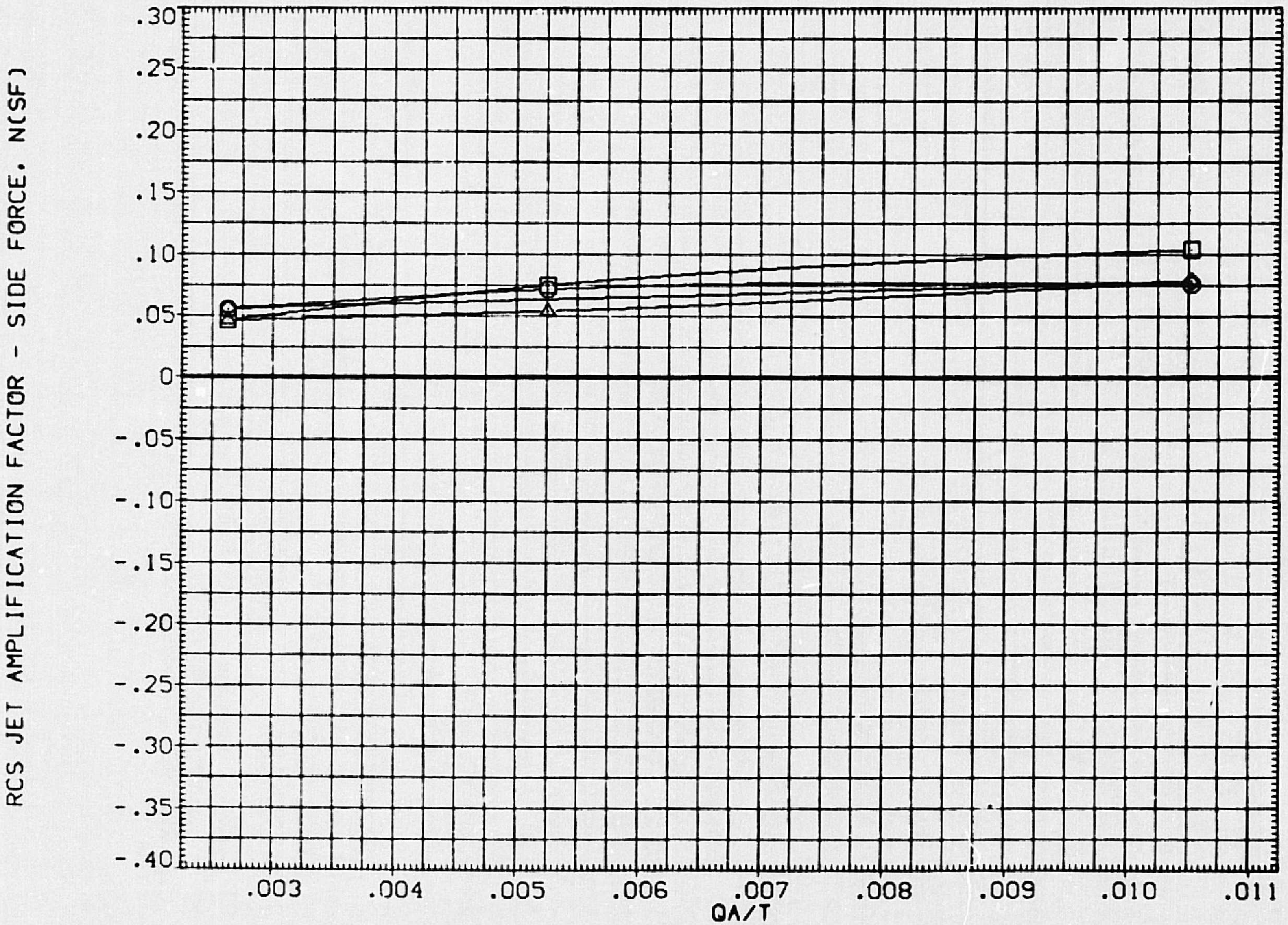


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(D)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA020)	○	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	-14.250	.000
(SJA027)	□	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	.000	.000
(SJA048)	◇	01N79N78 LARC CFHT 118 (MA-22)	10.000	2.000	-14.250	.000
(XJA009)	△	01N79N78 LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

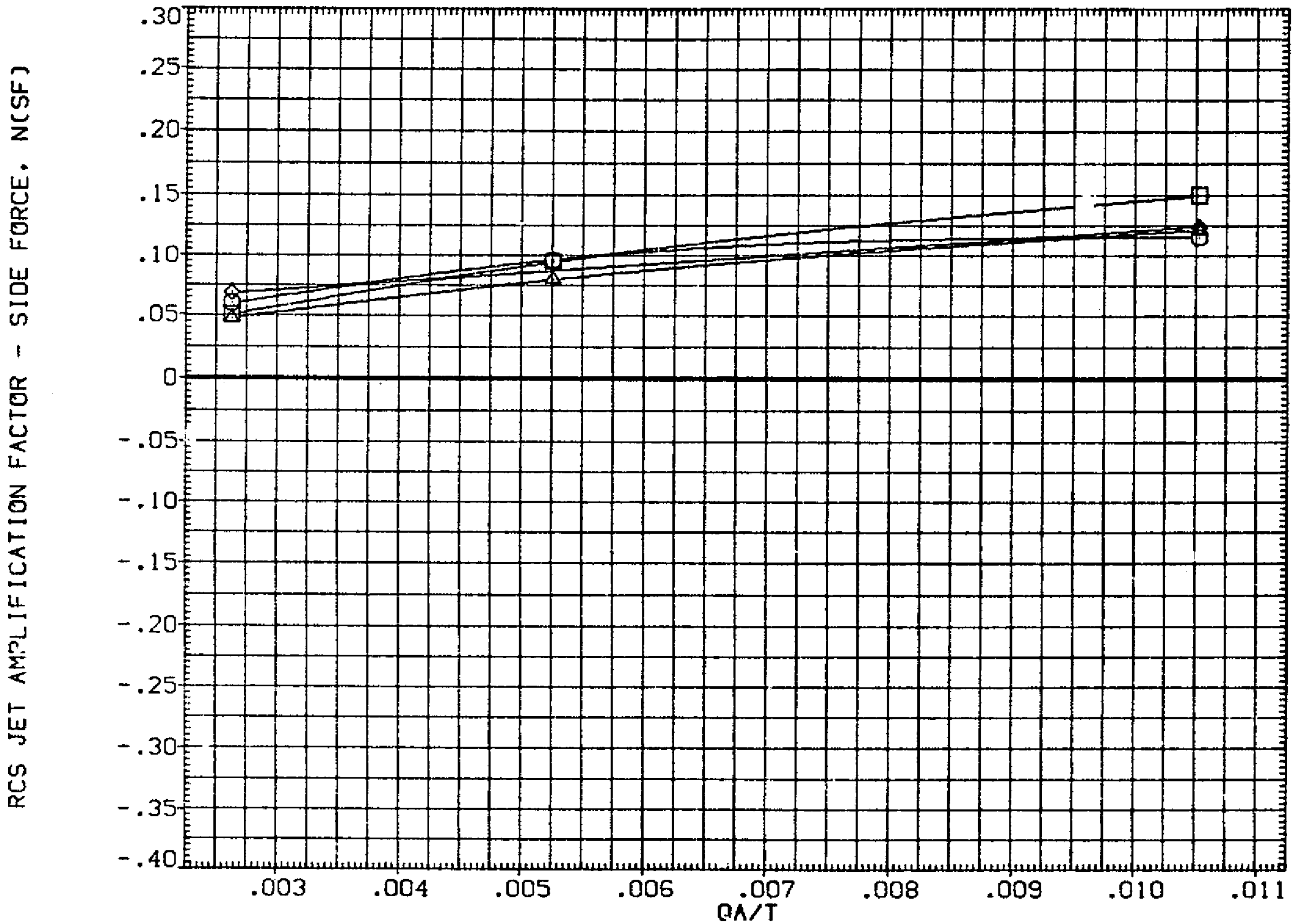


FIGURE 81. EFFECT OF ELEVON/BODY FLAP ON AMPLIFICATION FACTOR, JETS N79N78

(E)ALPHA = 35.00

01N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

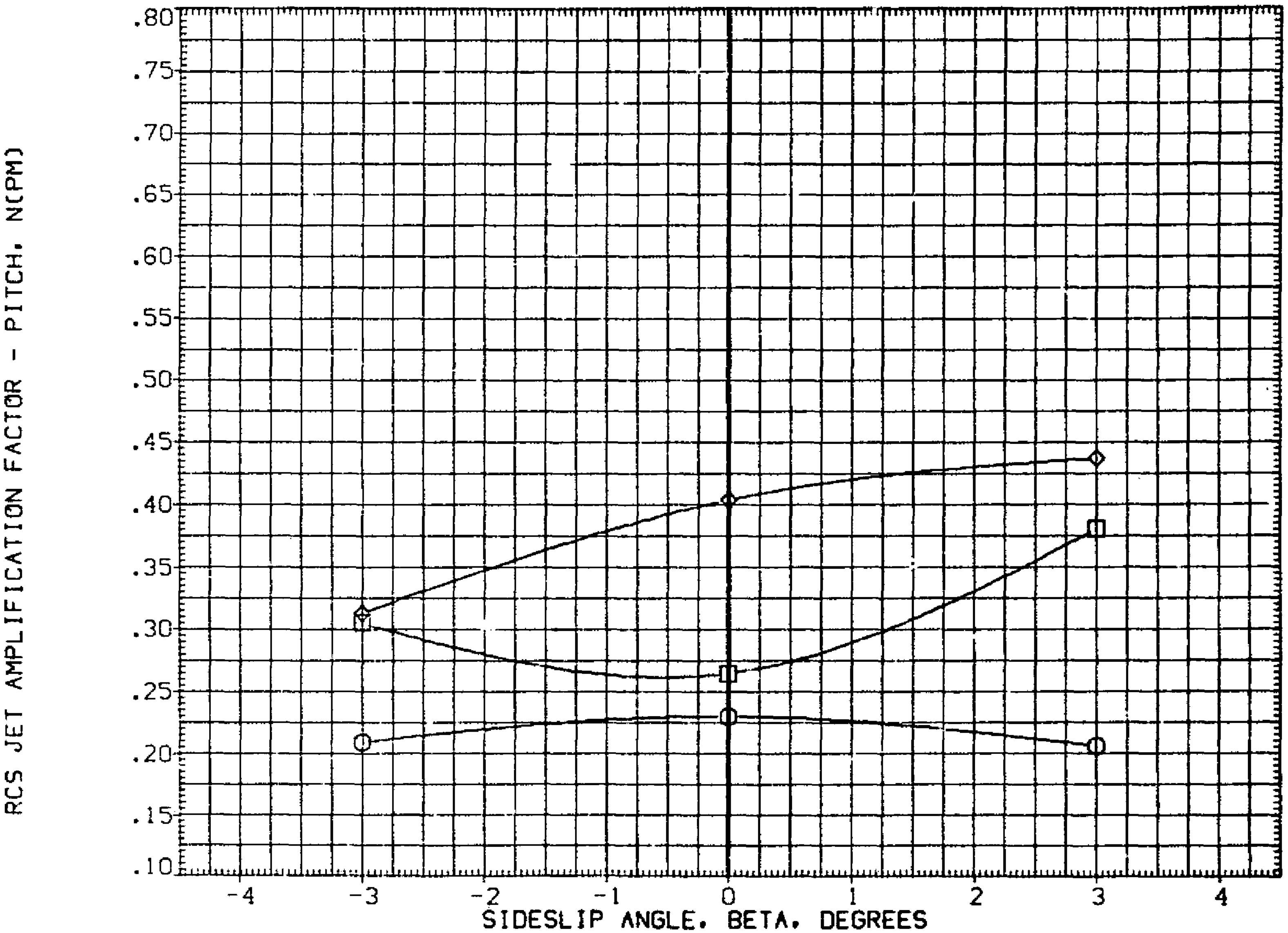


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

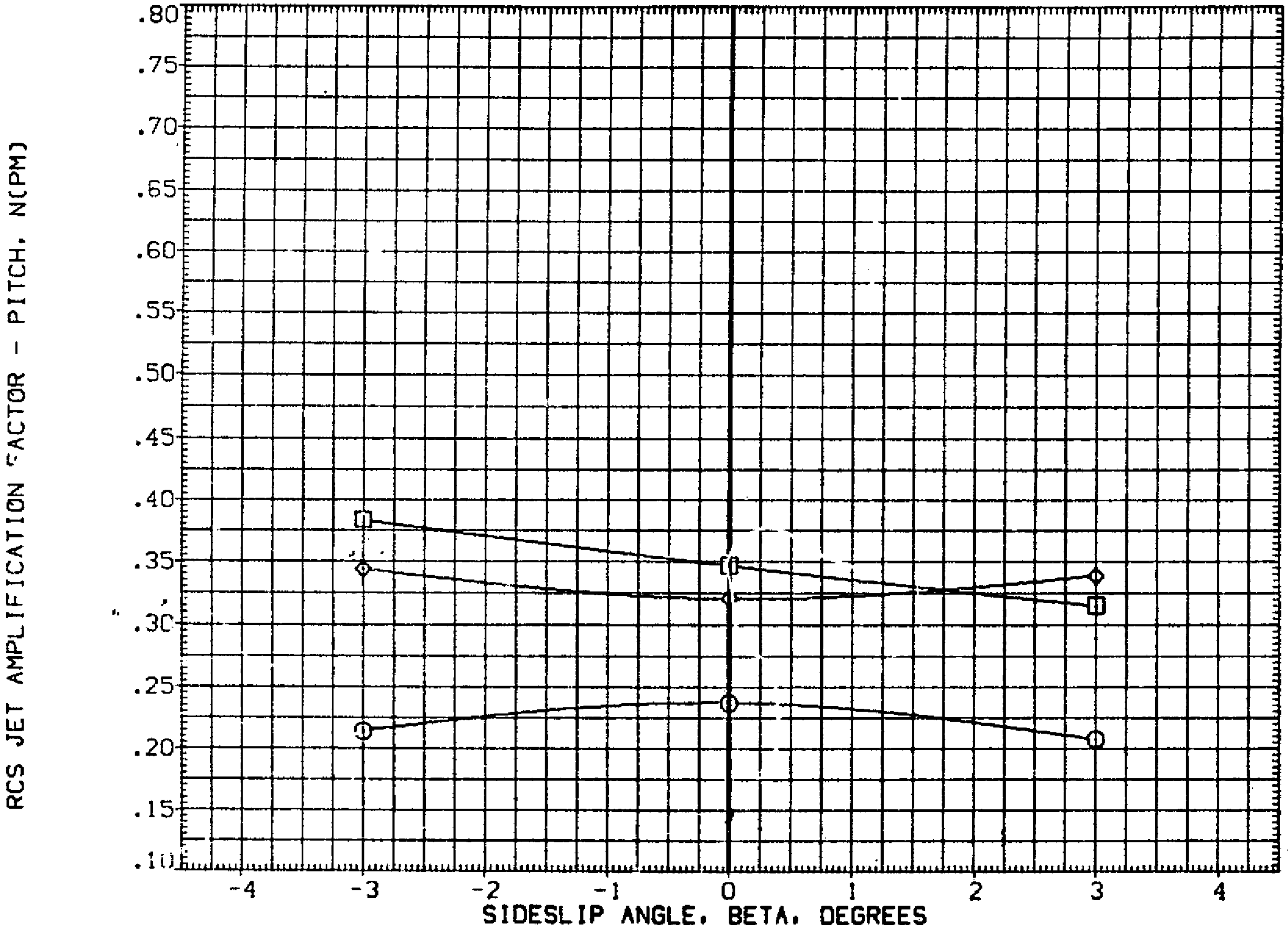


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

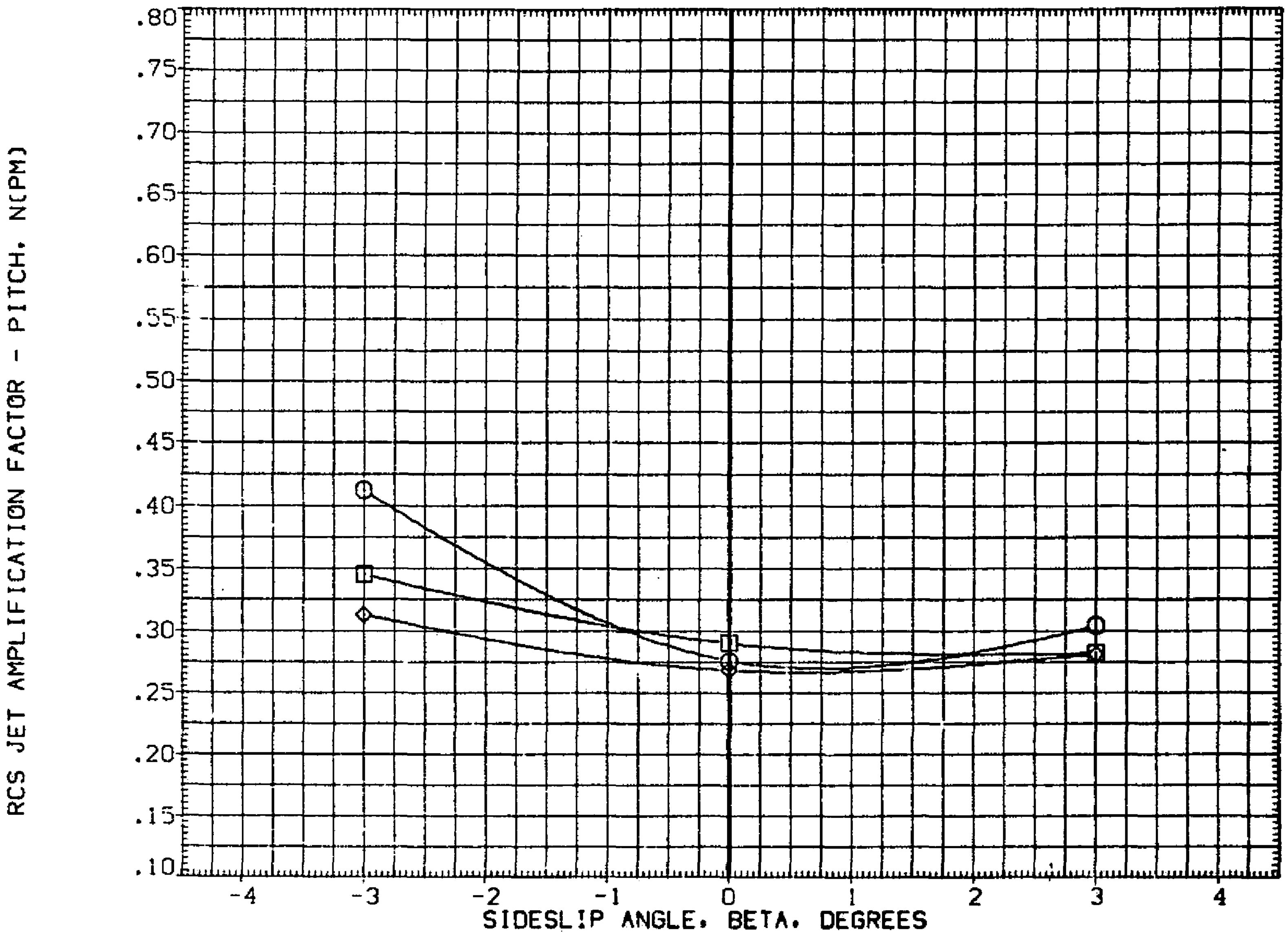


FIGURE 82. AMPLIFICATION FAC..R IN YAW, N79 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

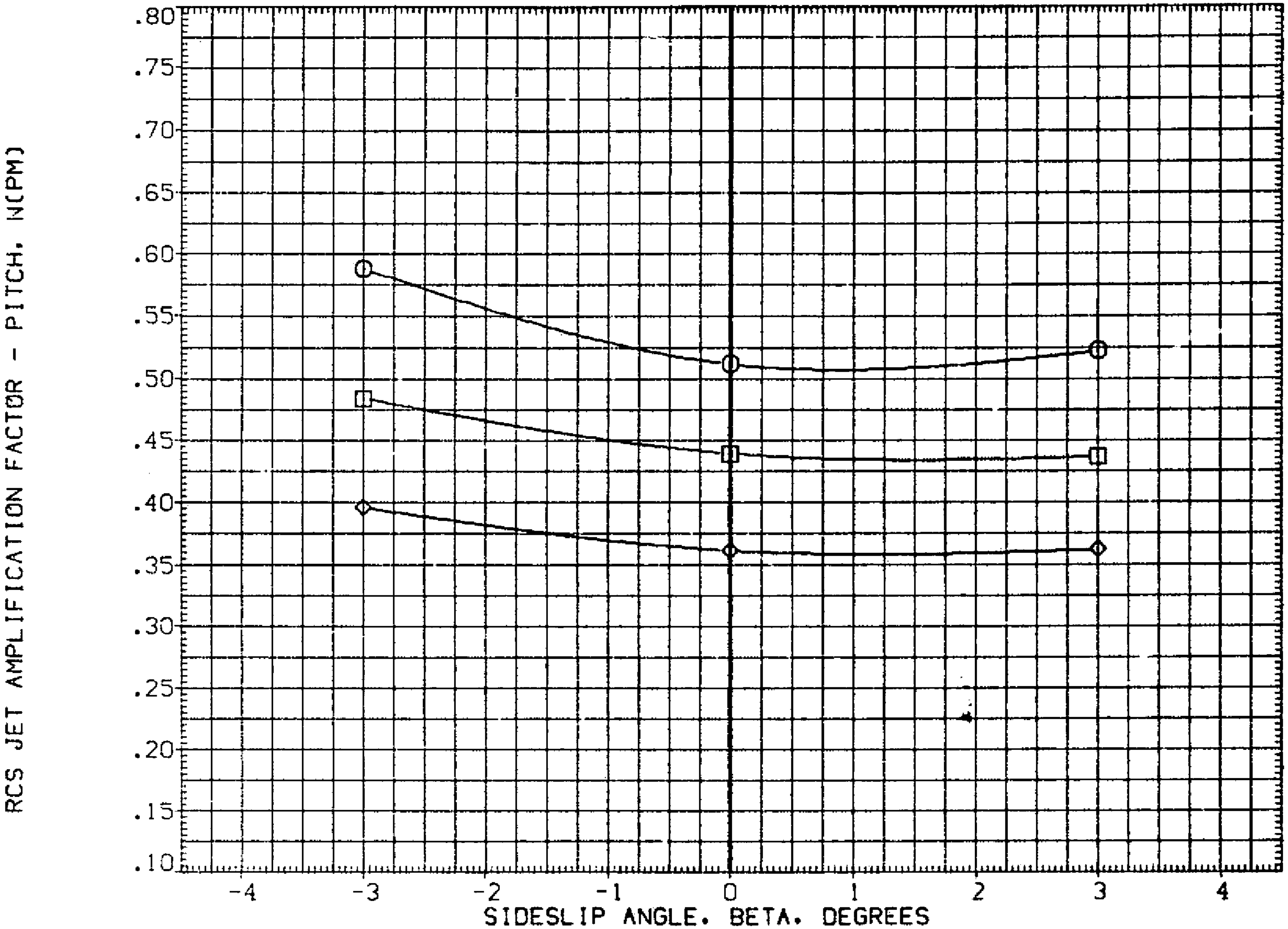


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

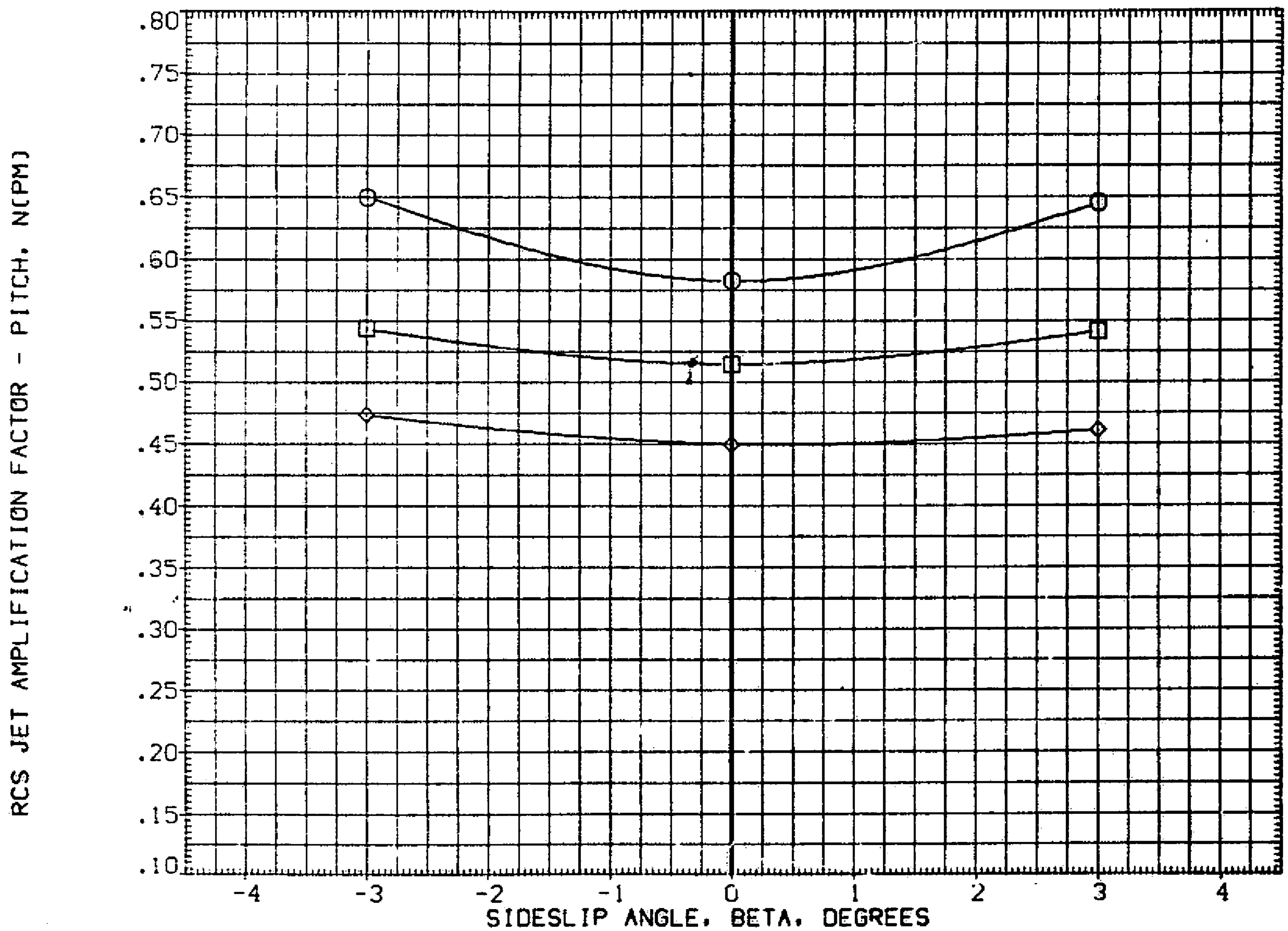


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79   LARC CFHT 118 (MA-22)   (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

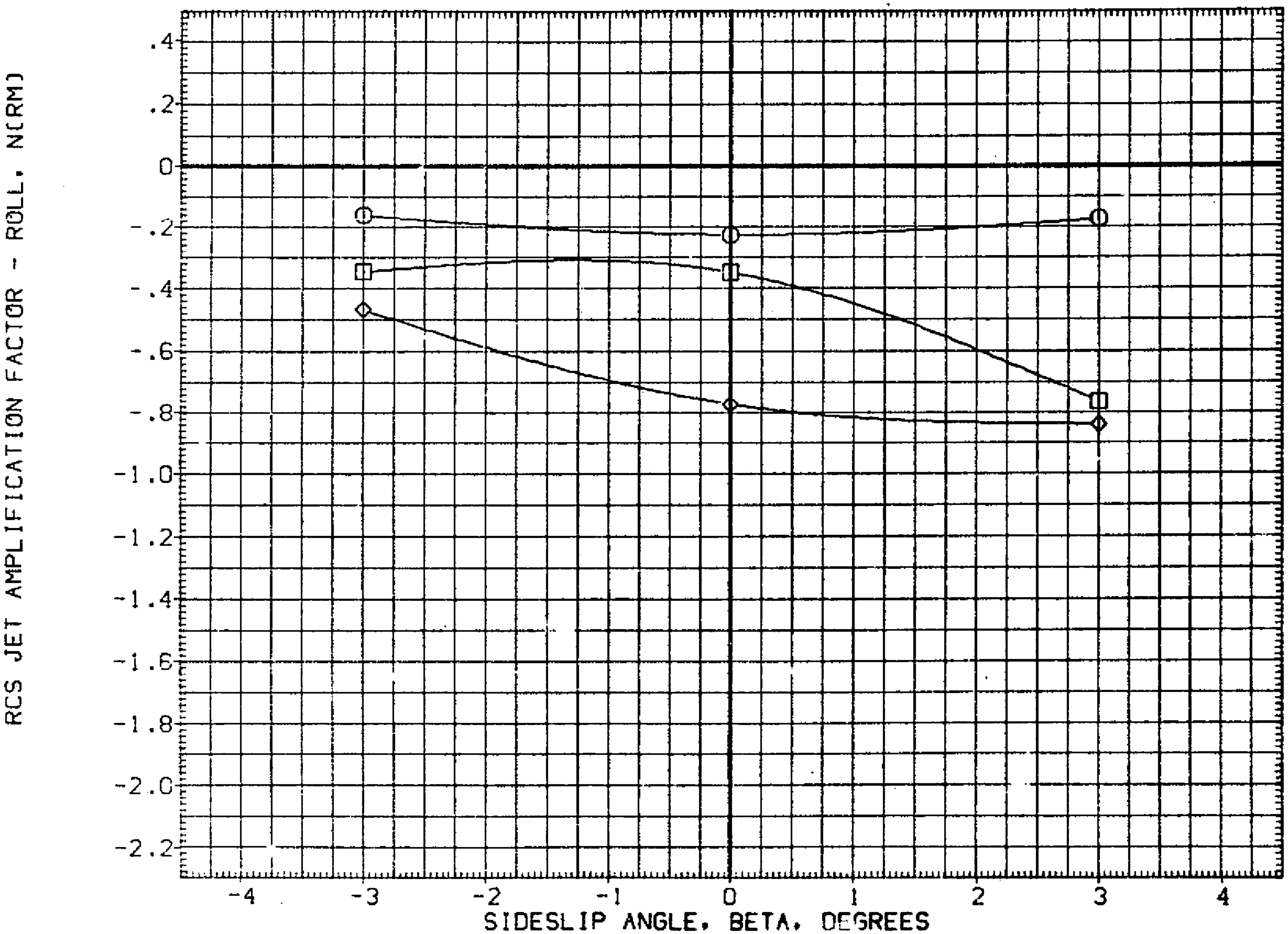


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

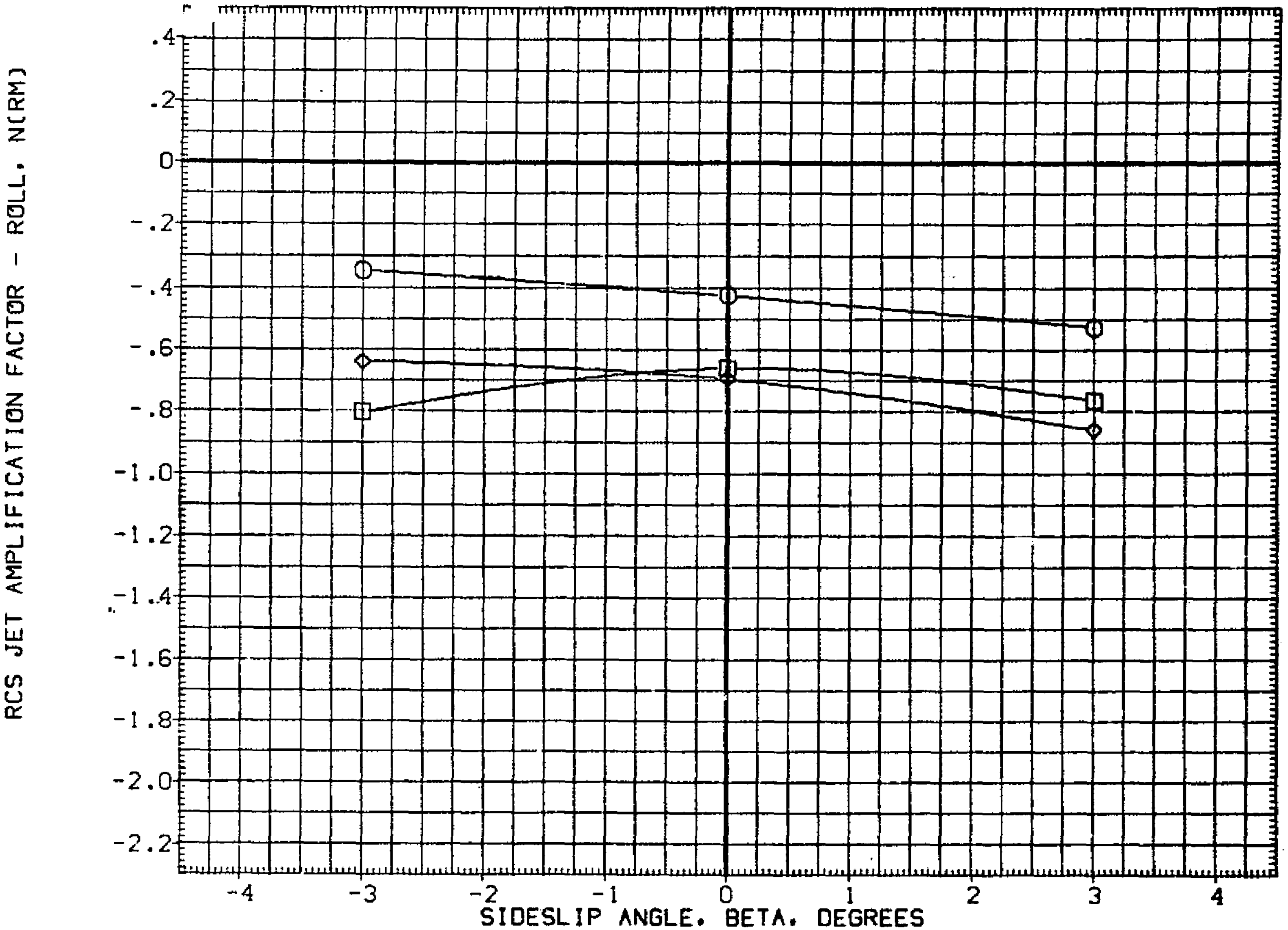


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

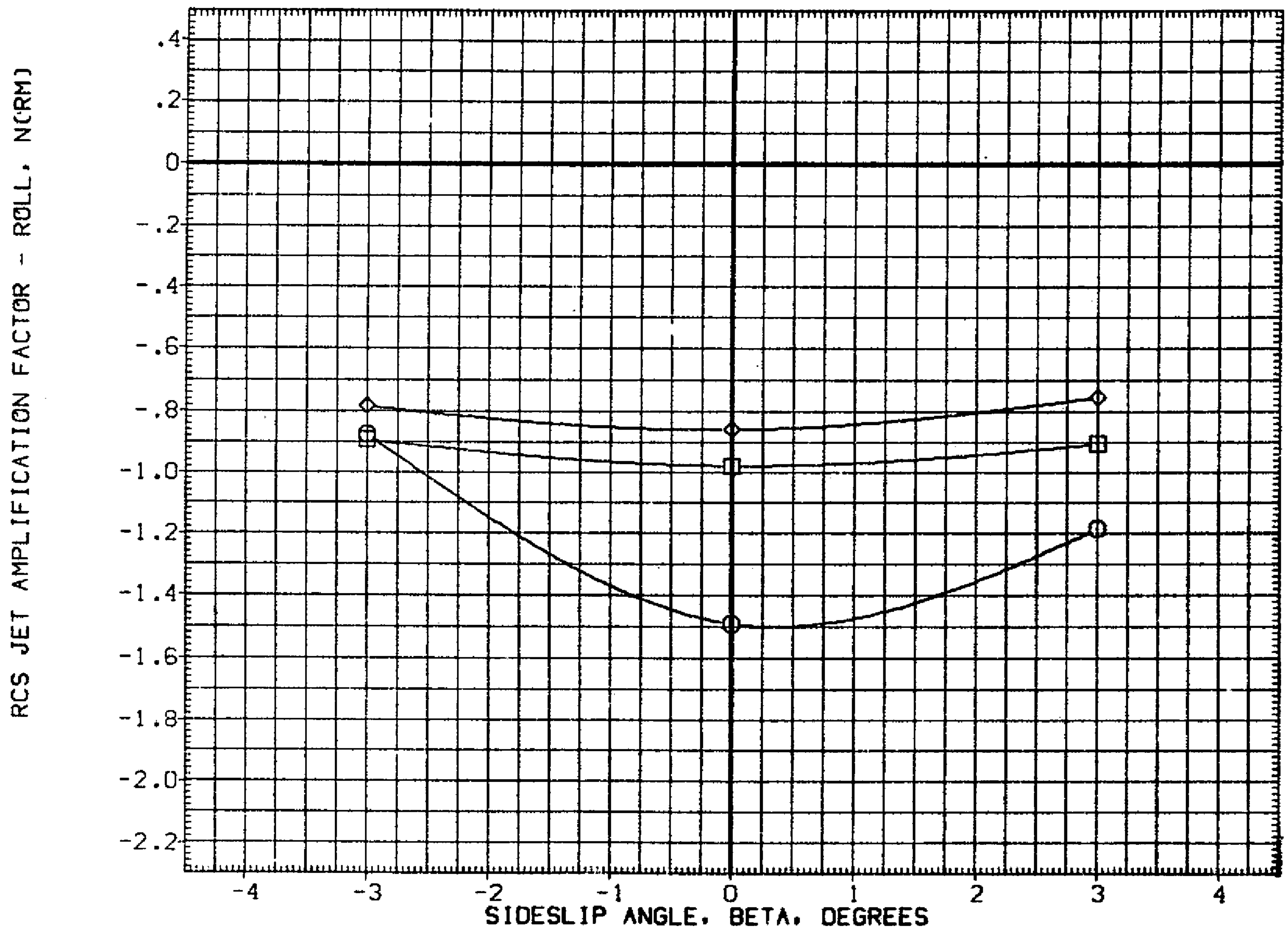


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

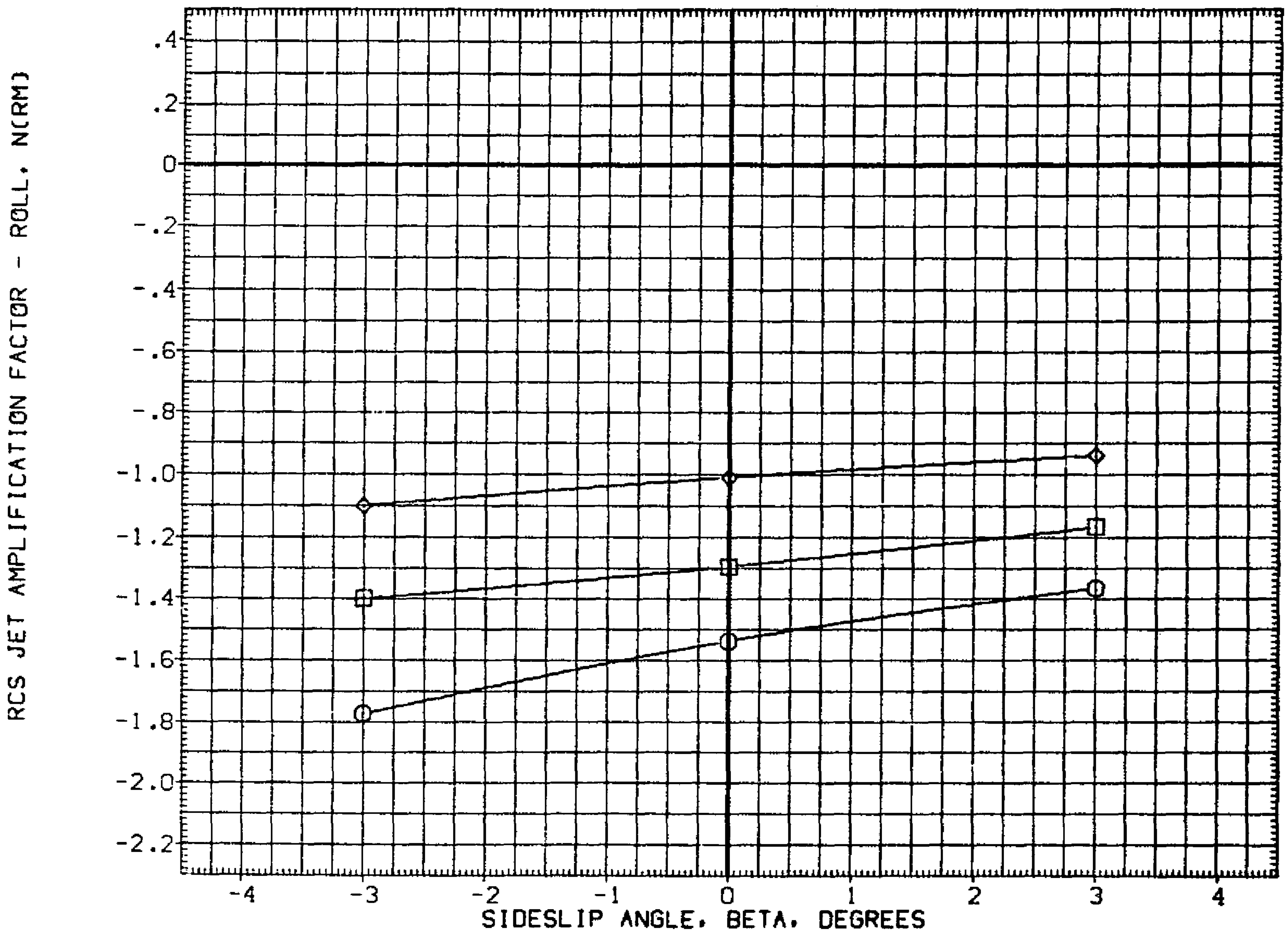


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

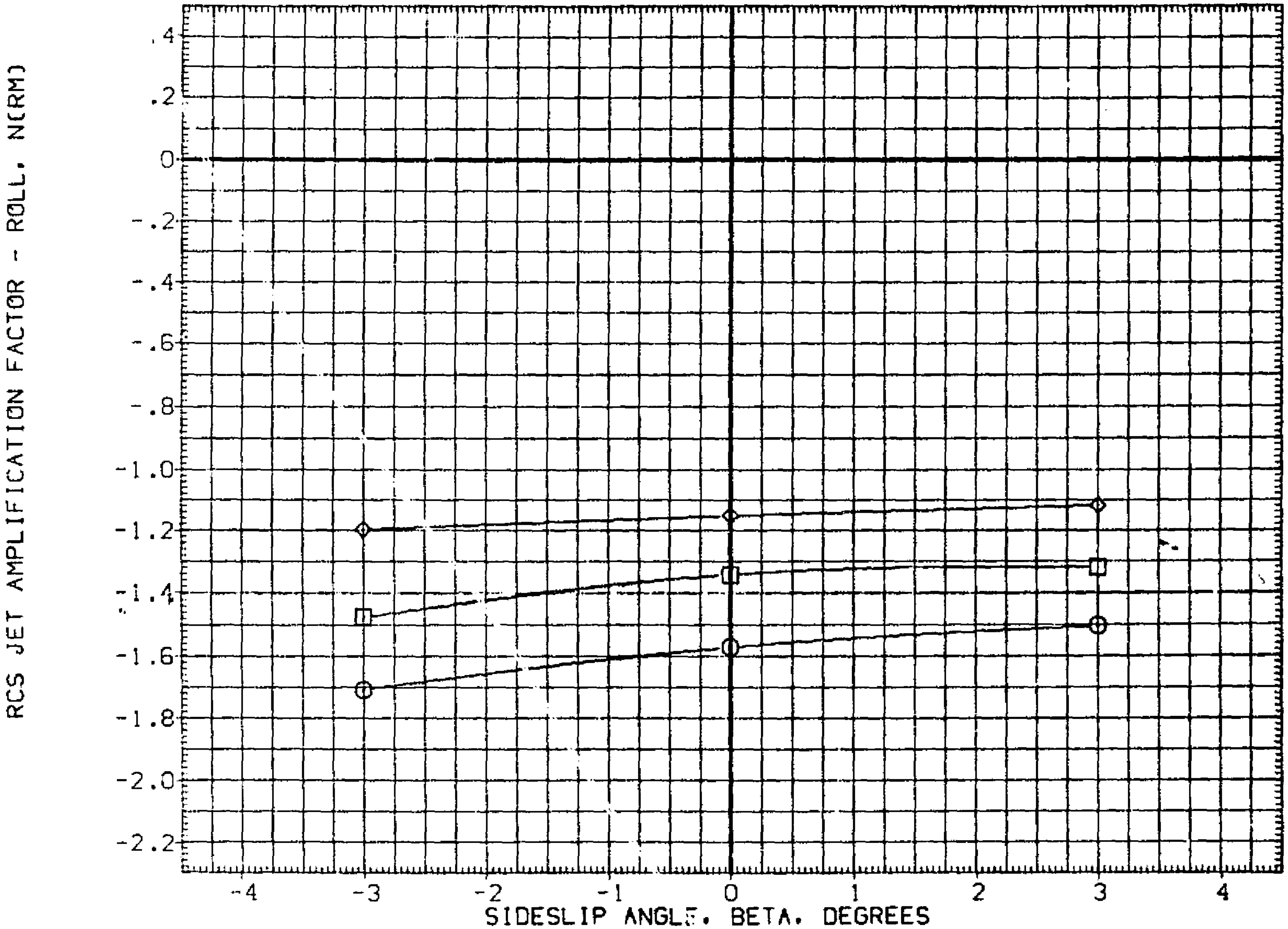


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

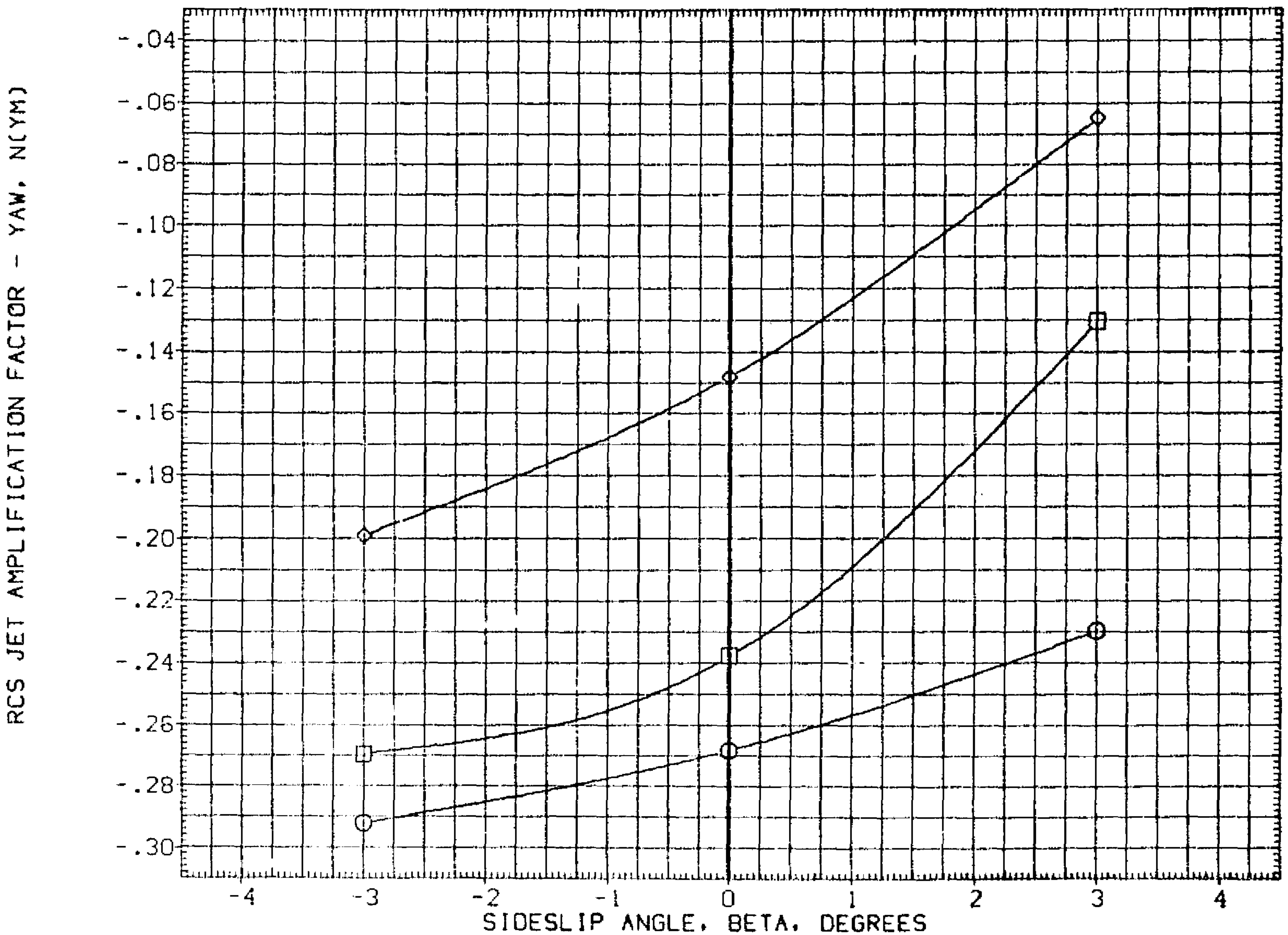


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

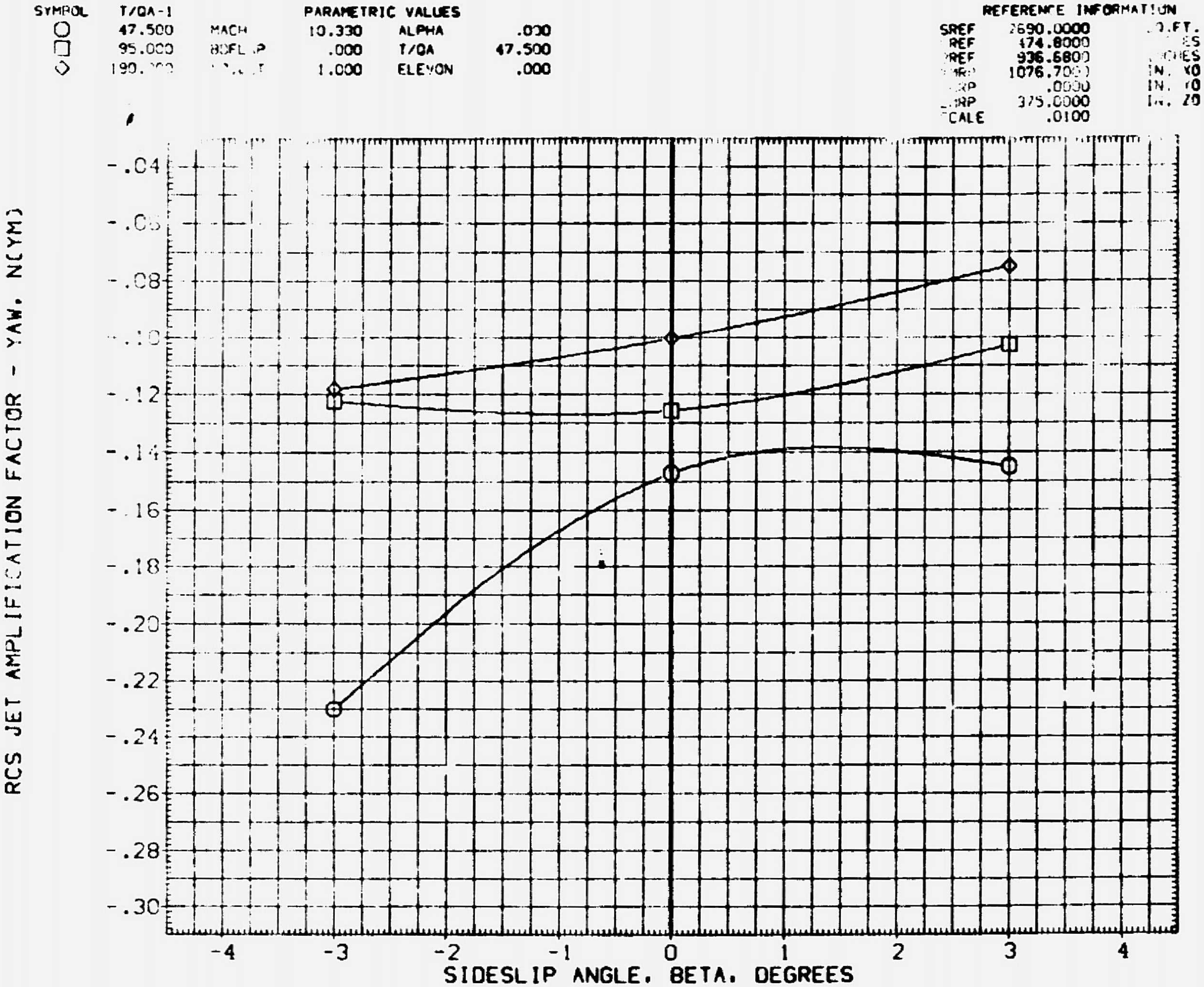


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

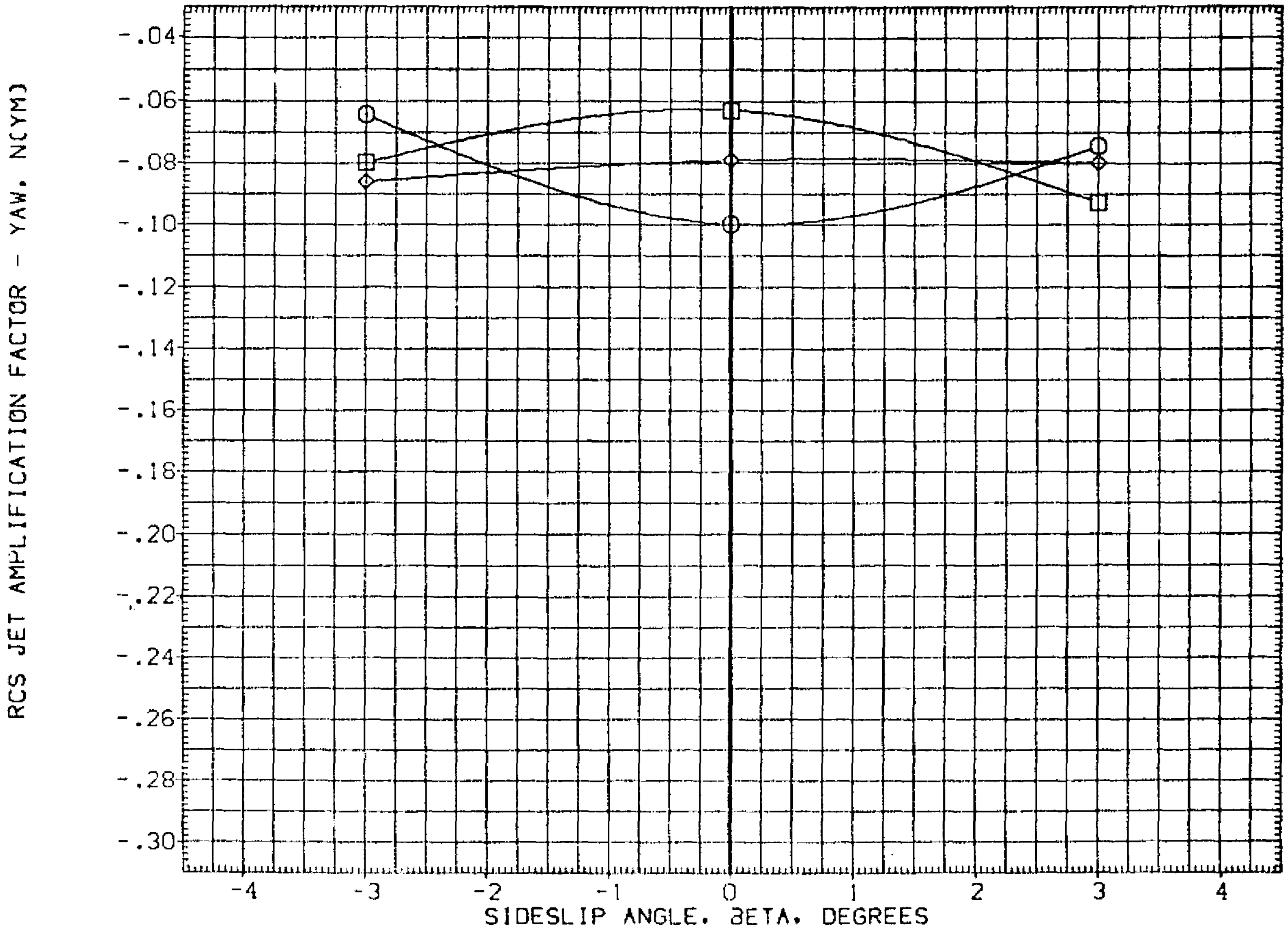


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA-22) (CJA187)

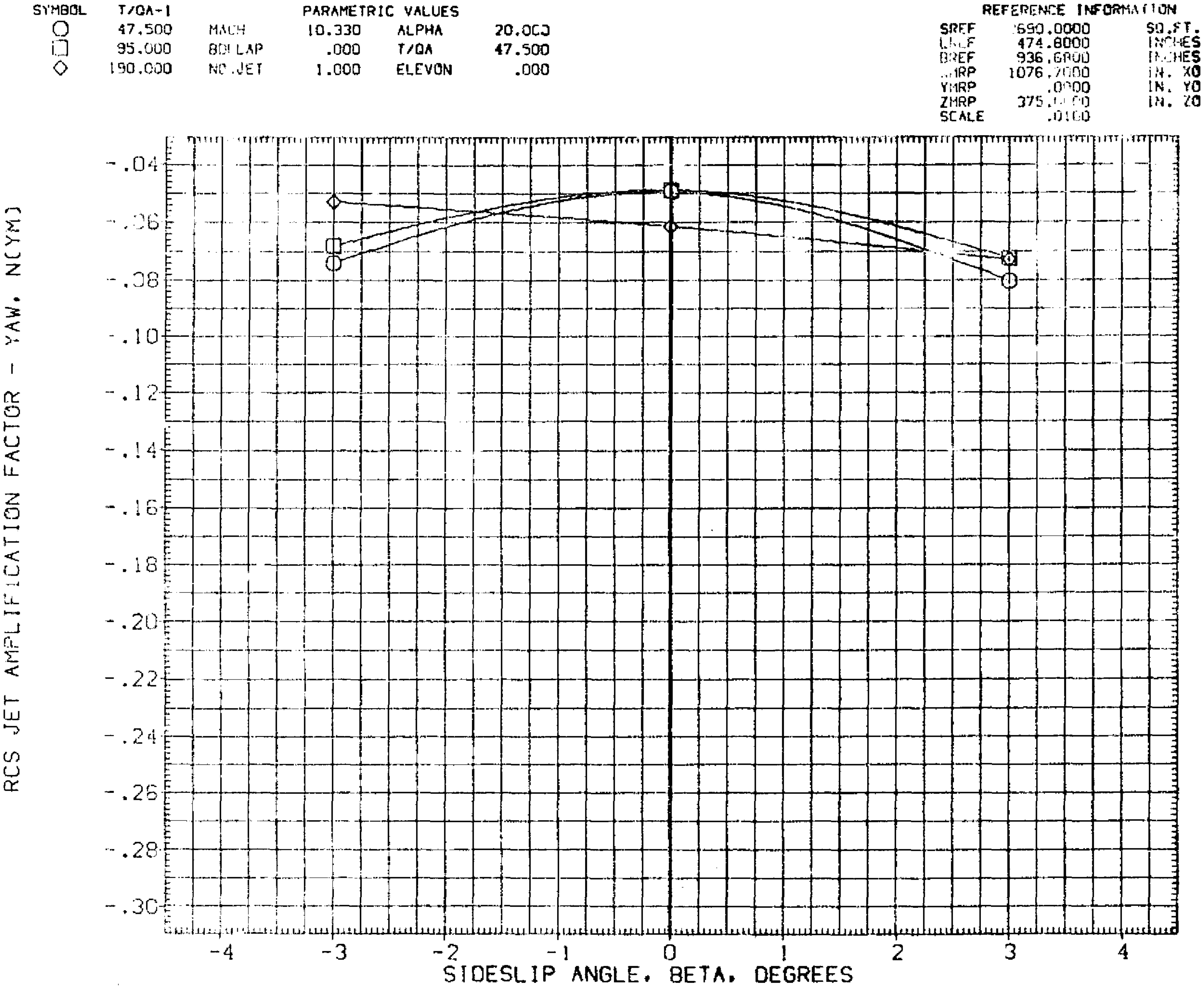


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA 22) (CJA187)

SYMBOL	T/QA-I
○	47.500
□	95.000
◇	190.000

PARAMETRIC VALUES

MACH	10.330	ALPHA	35.000
BDFLAP	.000	T/QA	47.500
NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

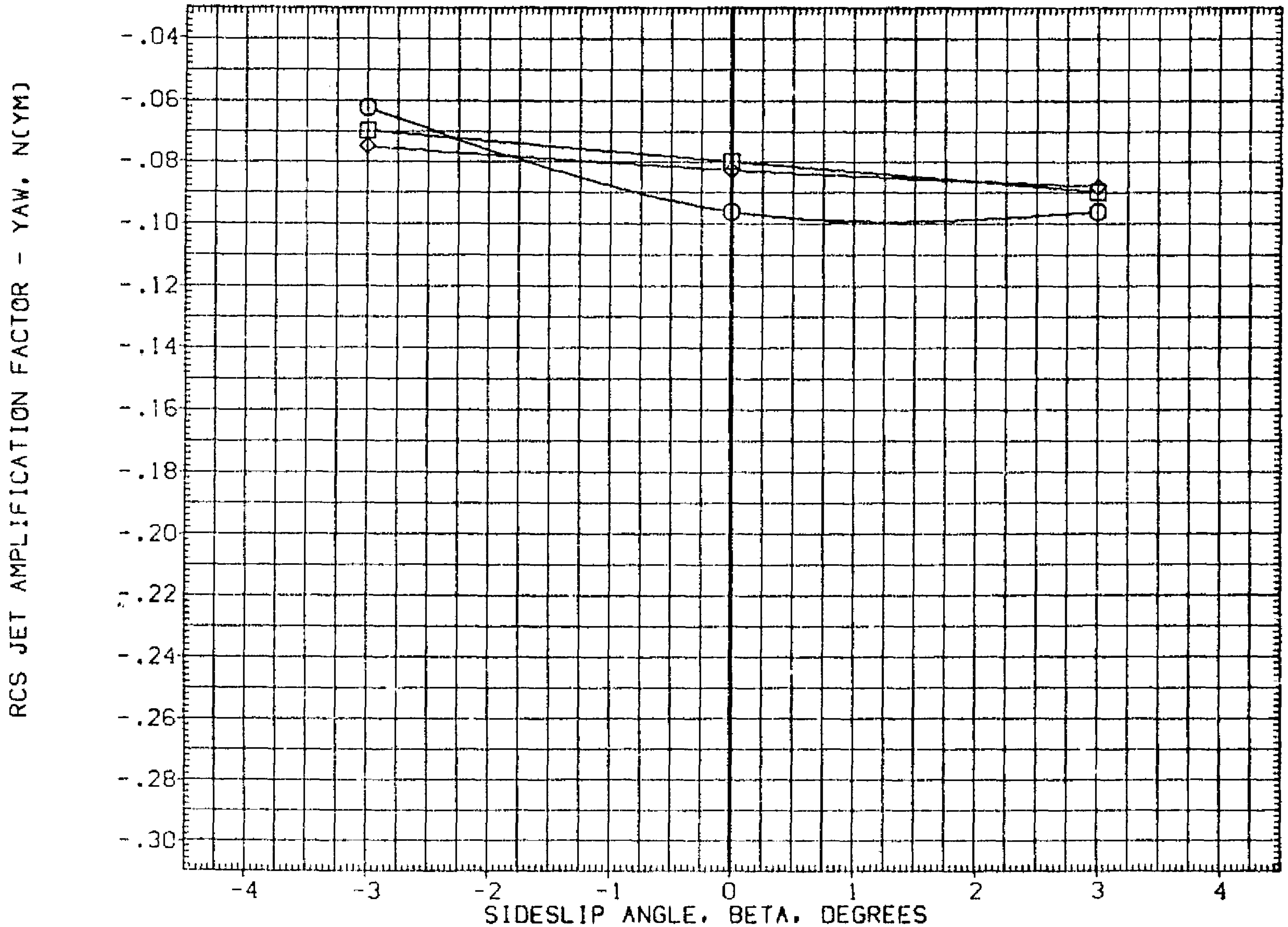


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	336.6800	INCHES
XMRP	[illegible]	[illegible]
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

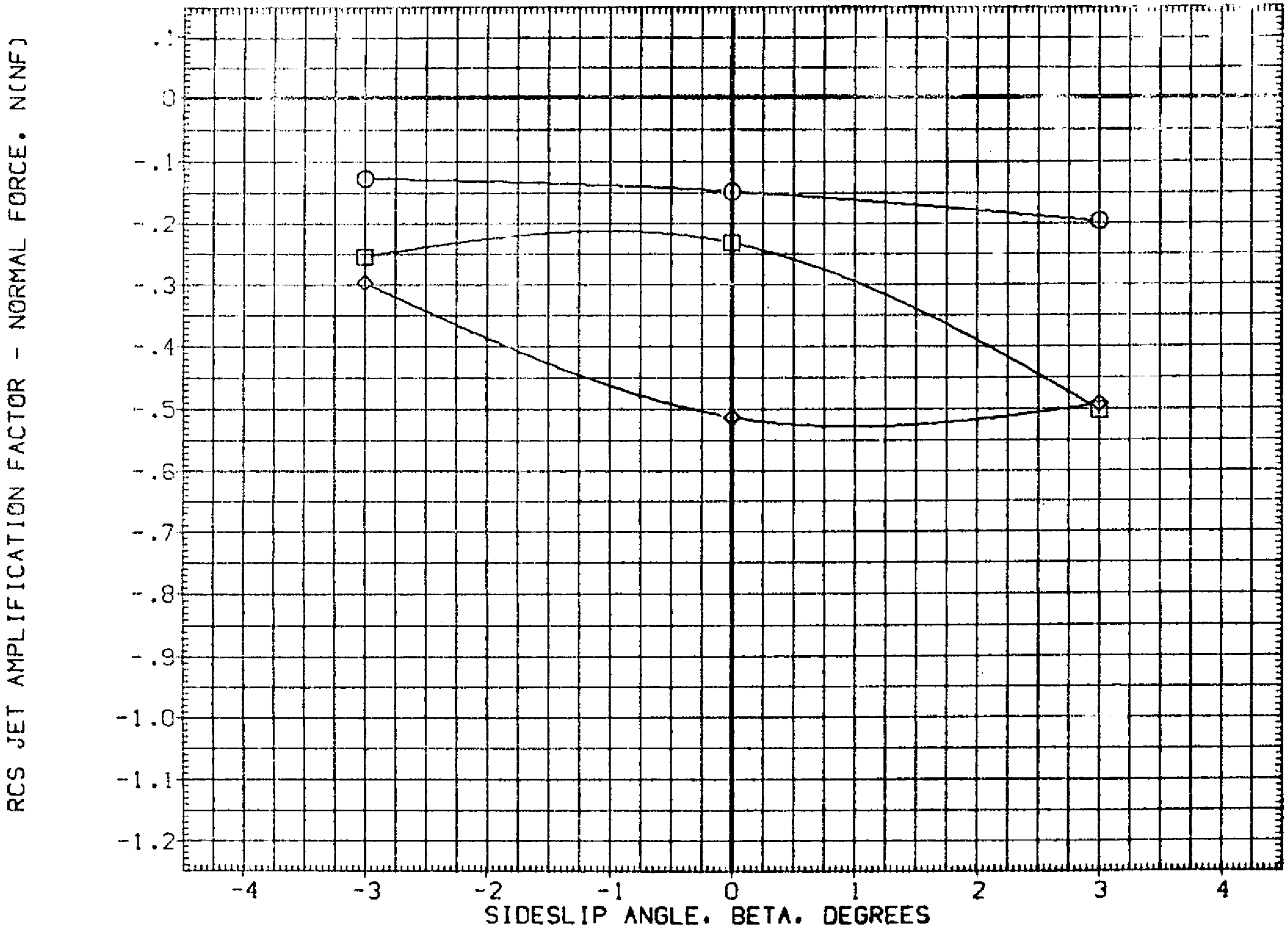


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

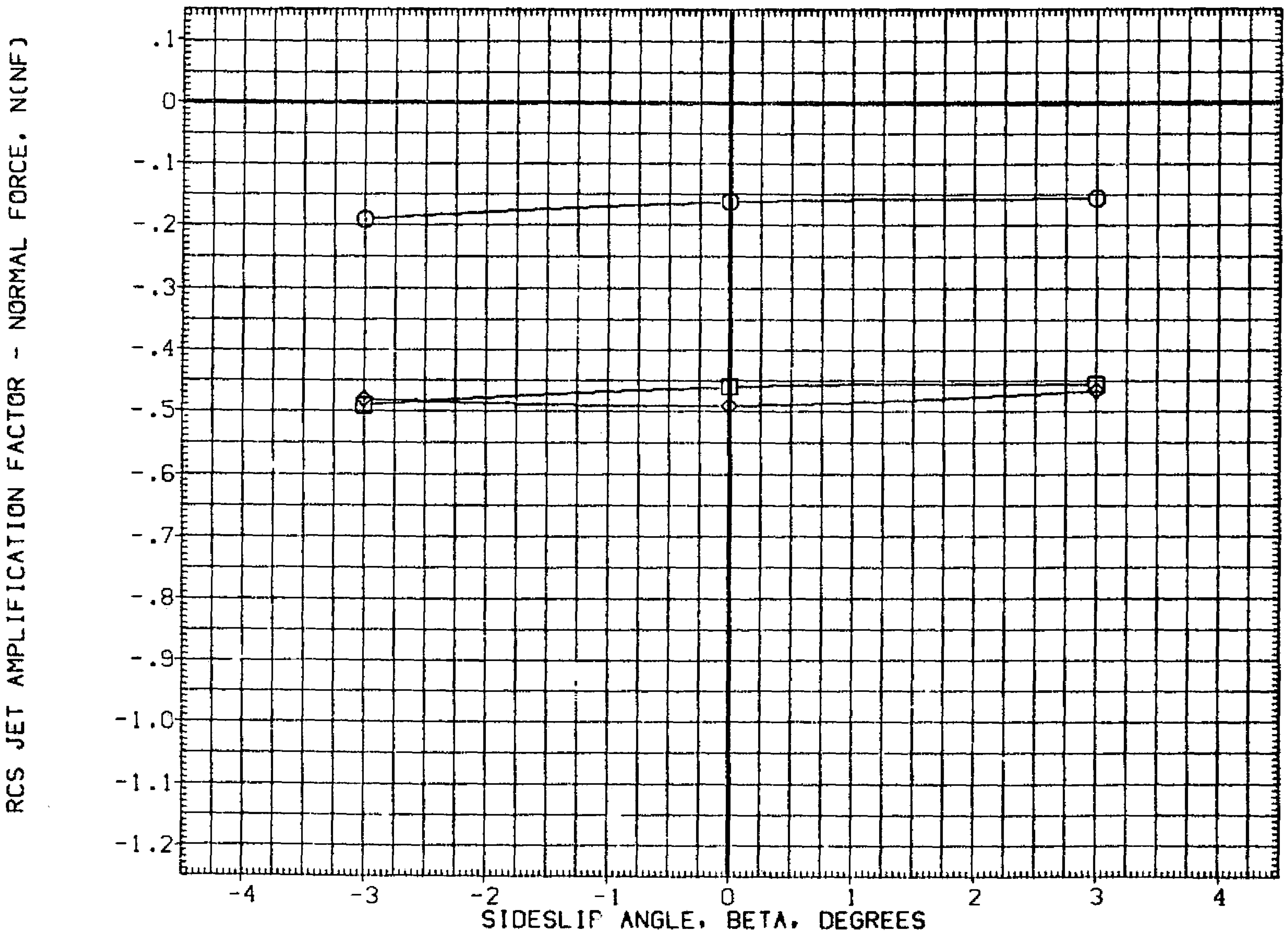


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

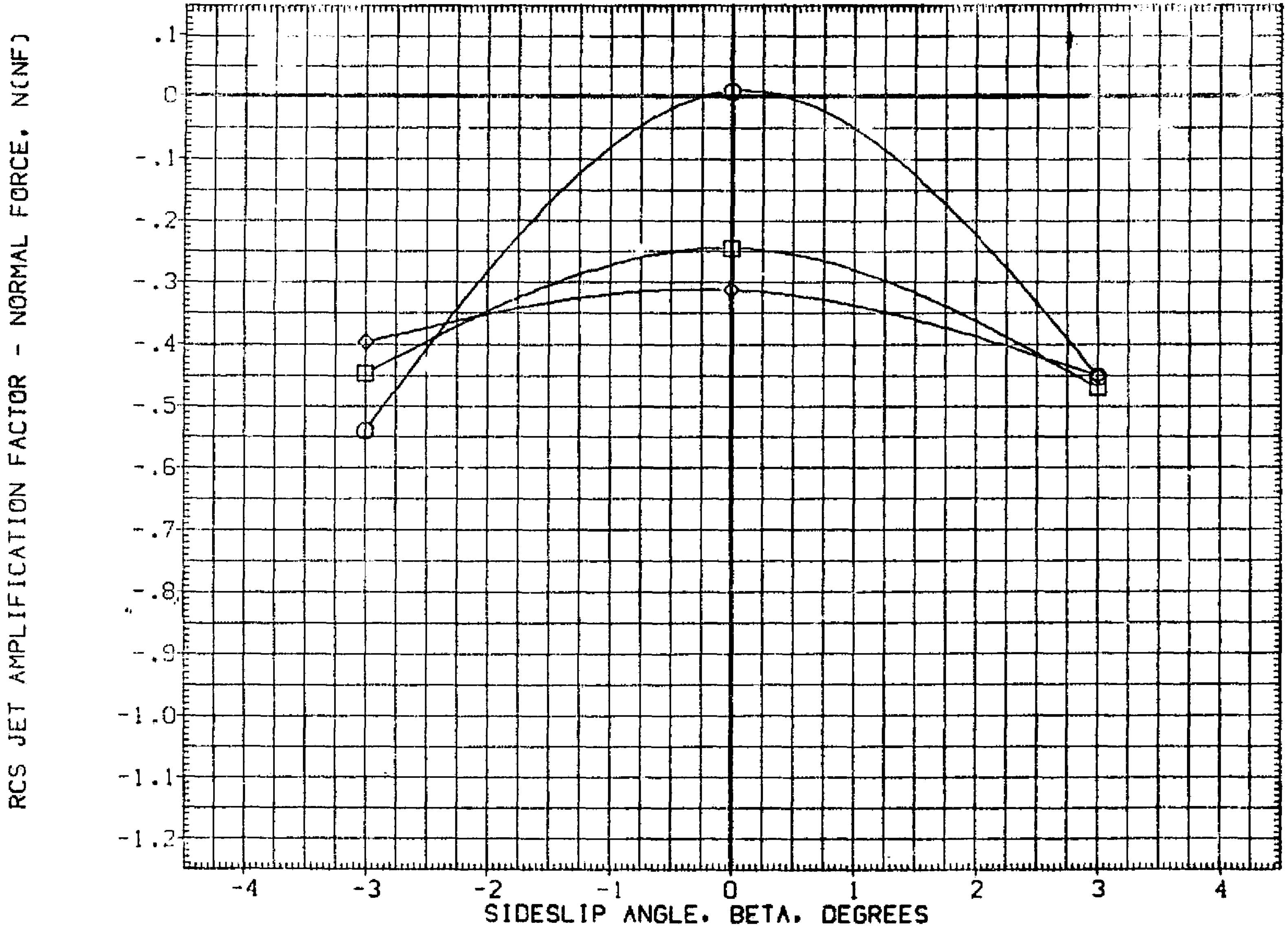


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

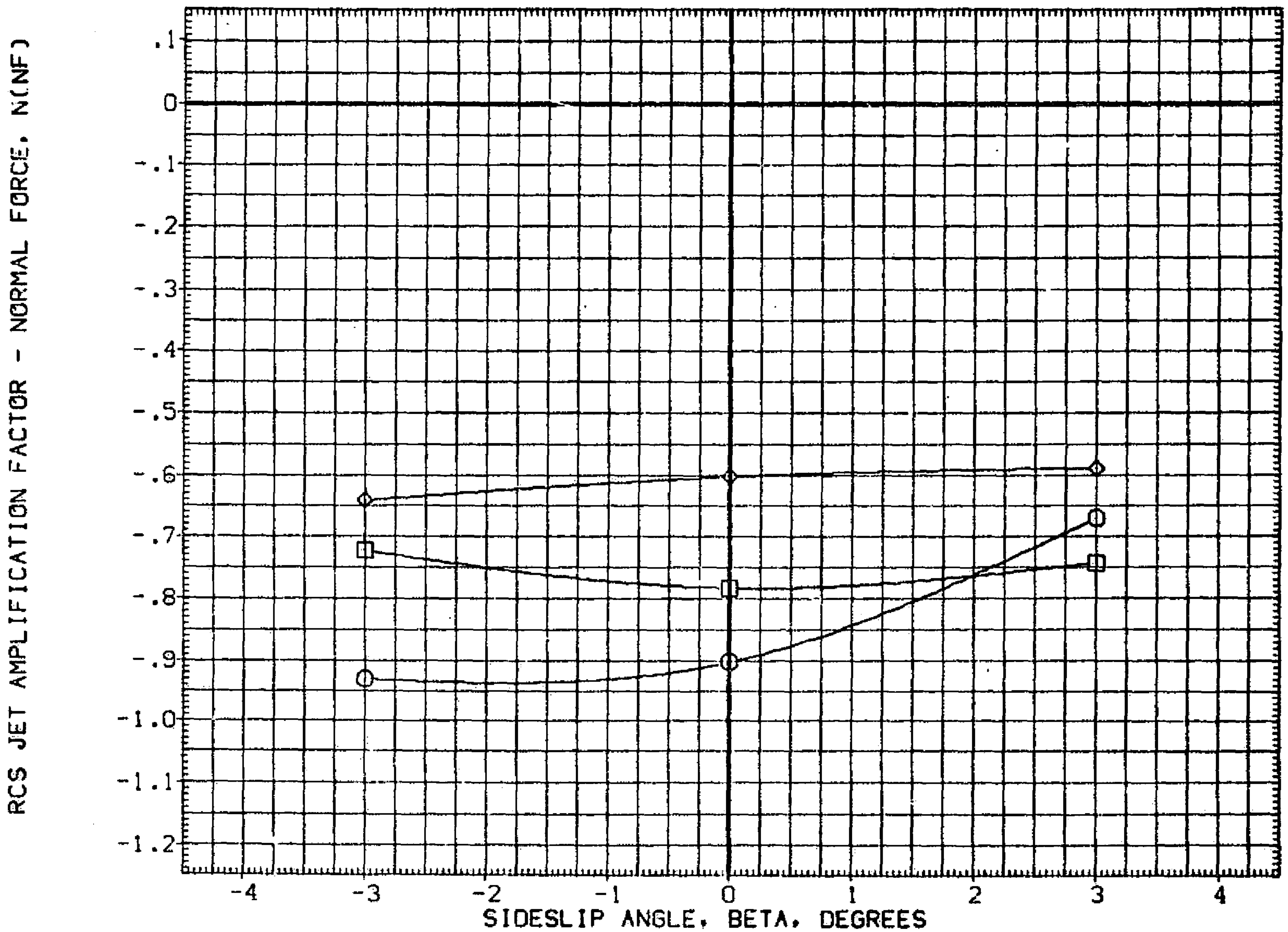


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

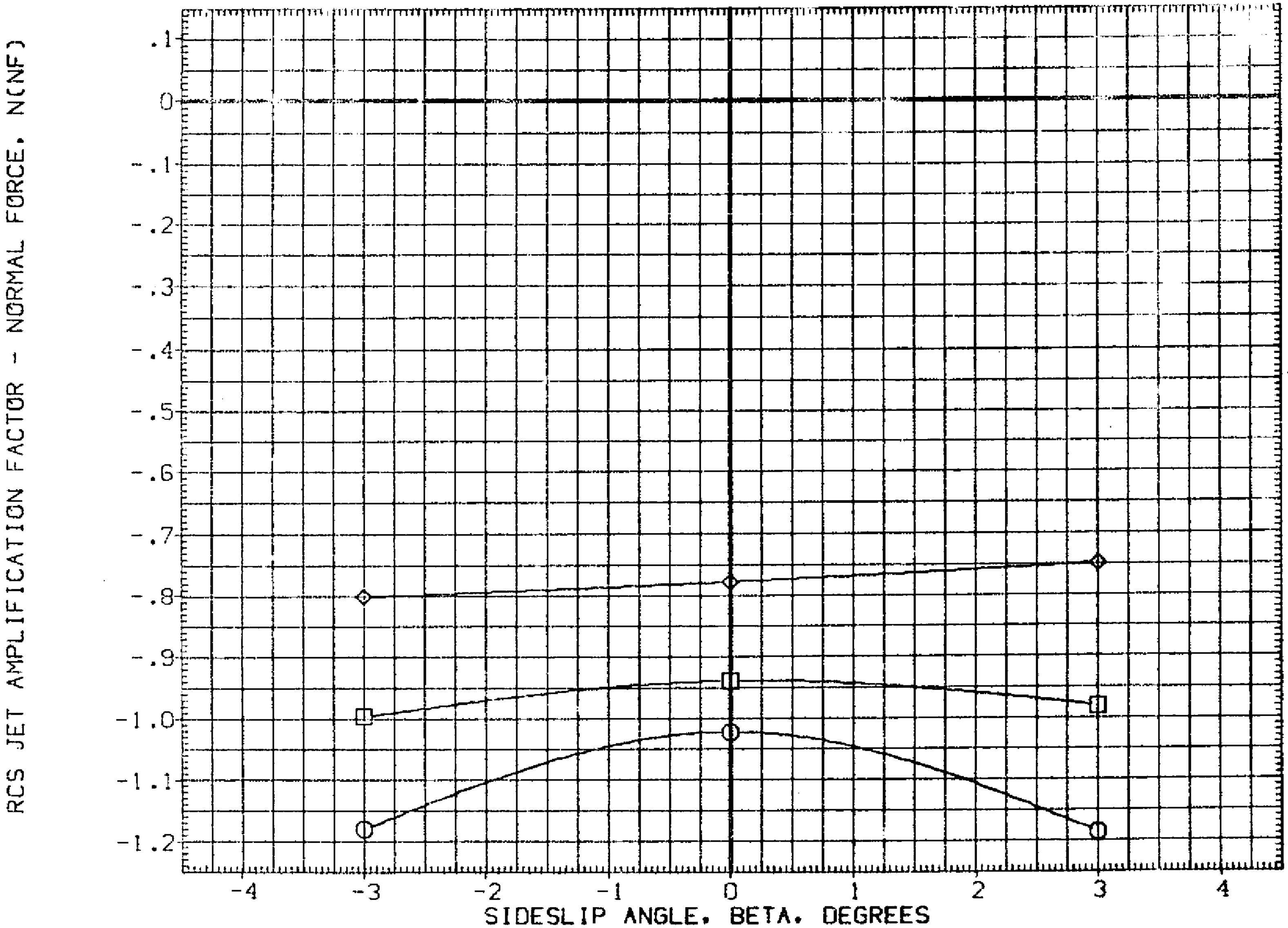


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

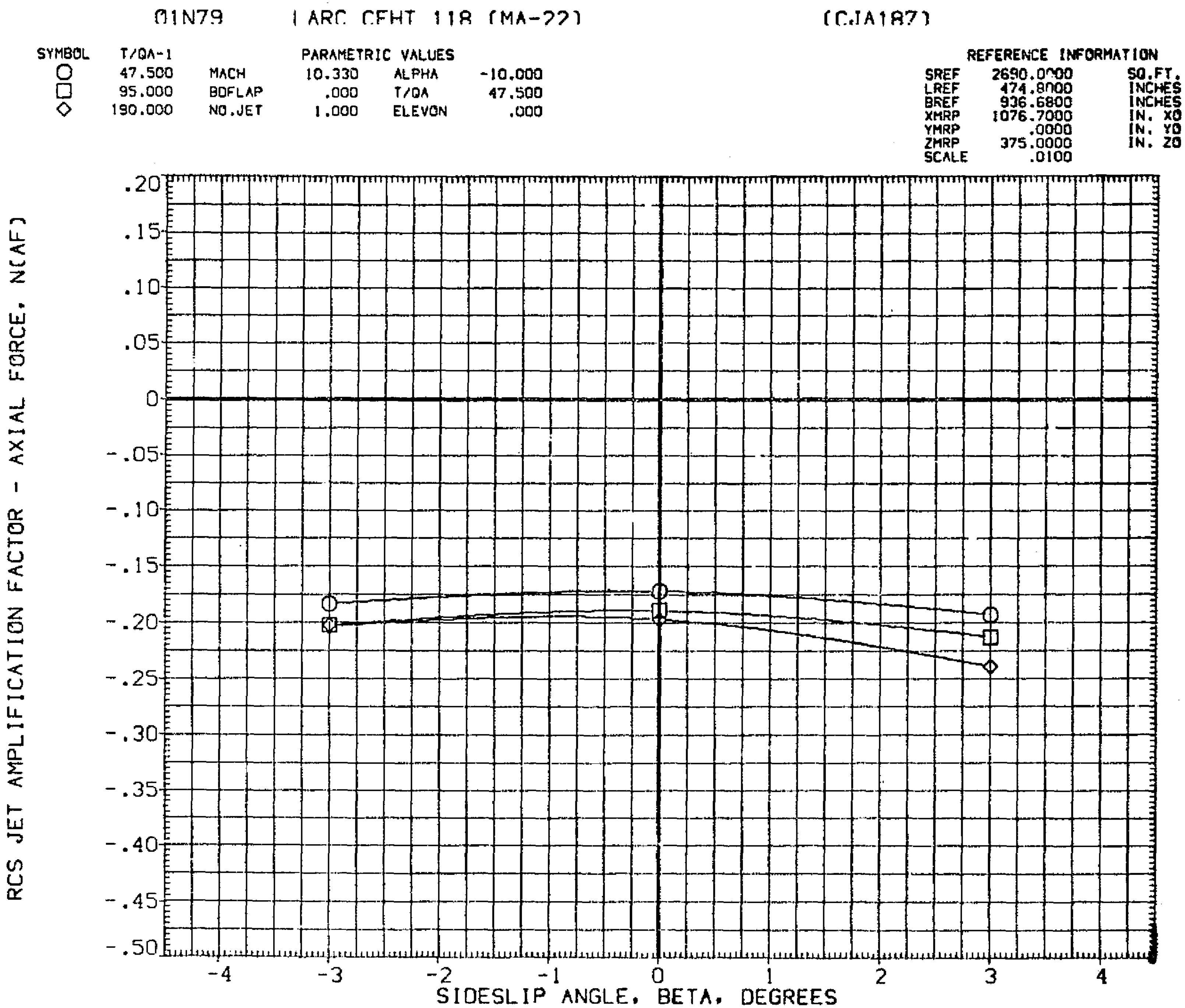


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N79 LARC CFHT 119 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

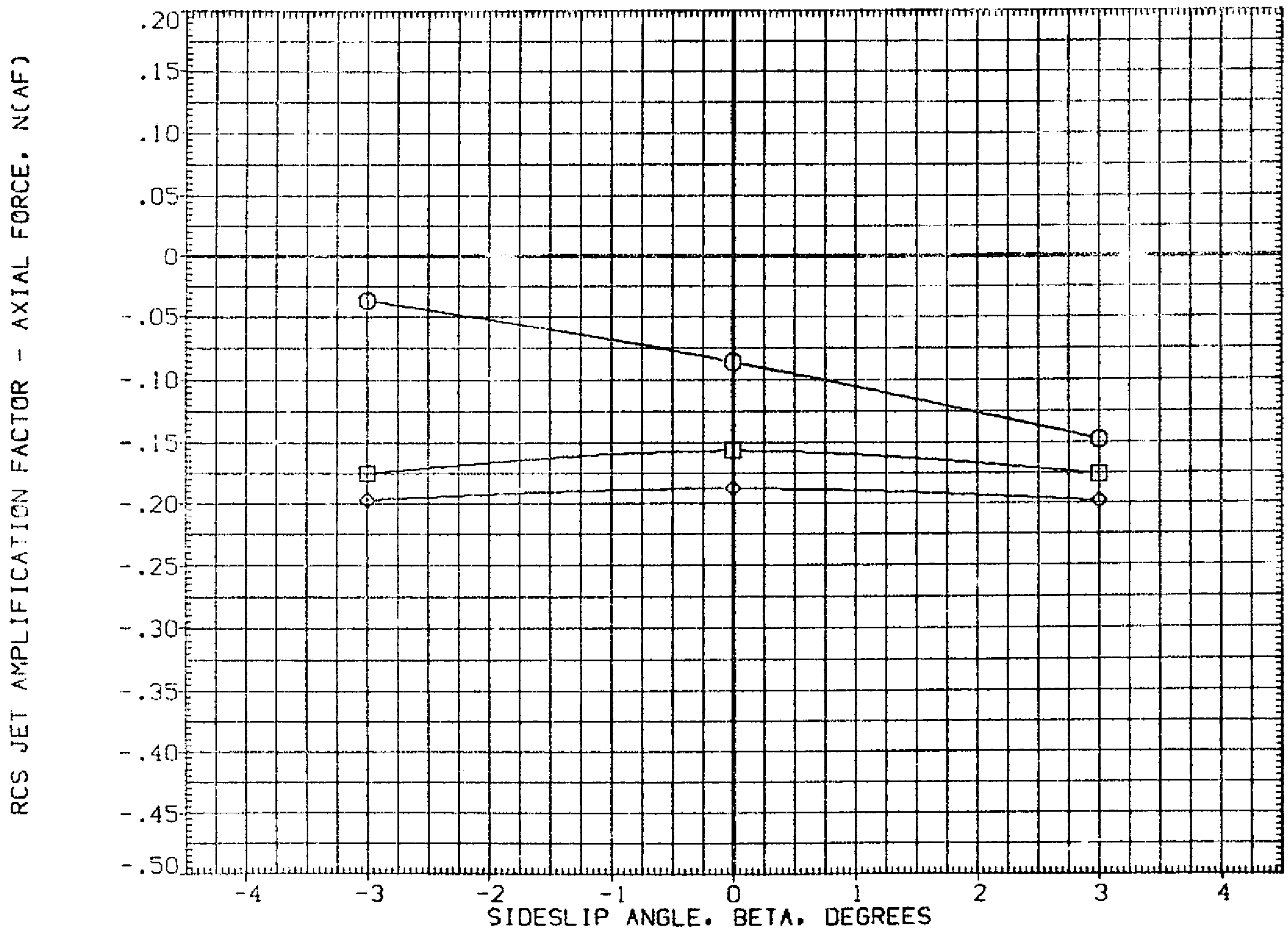


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

0IN79 LARC CFHT 118 (MA 22) (CJA107)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

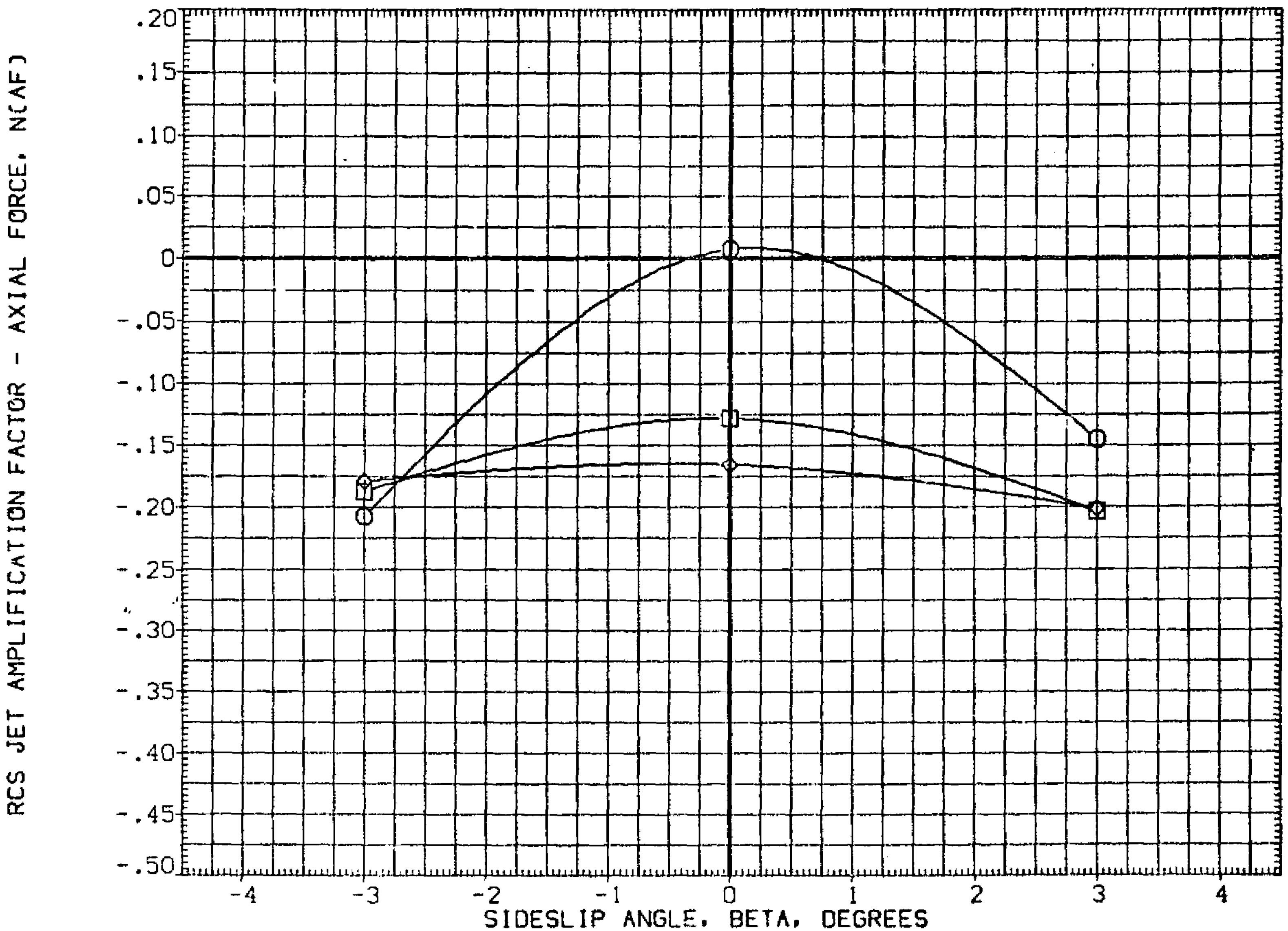


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

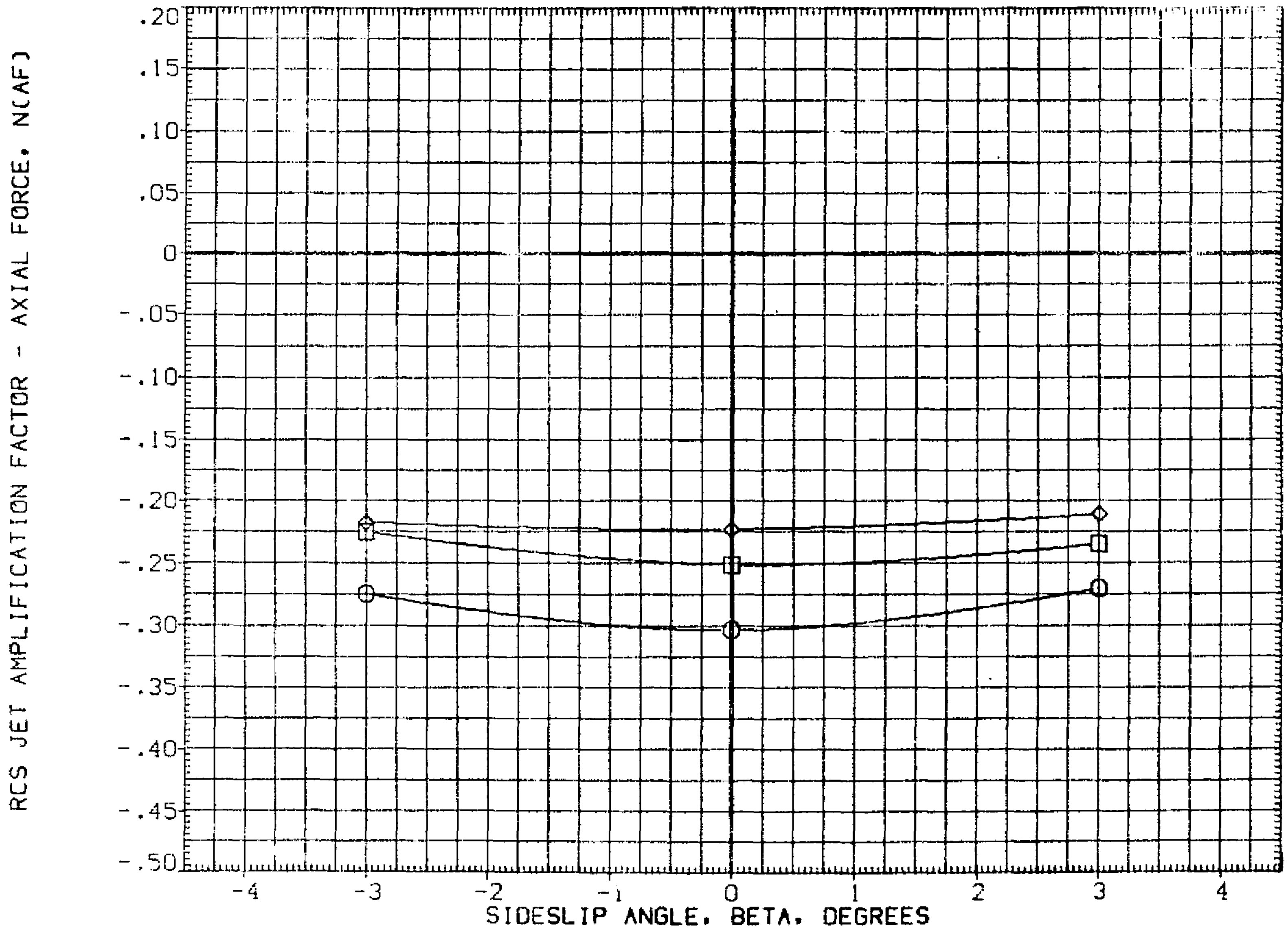


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000		1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

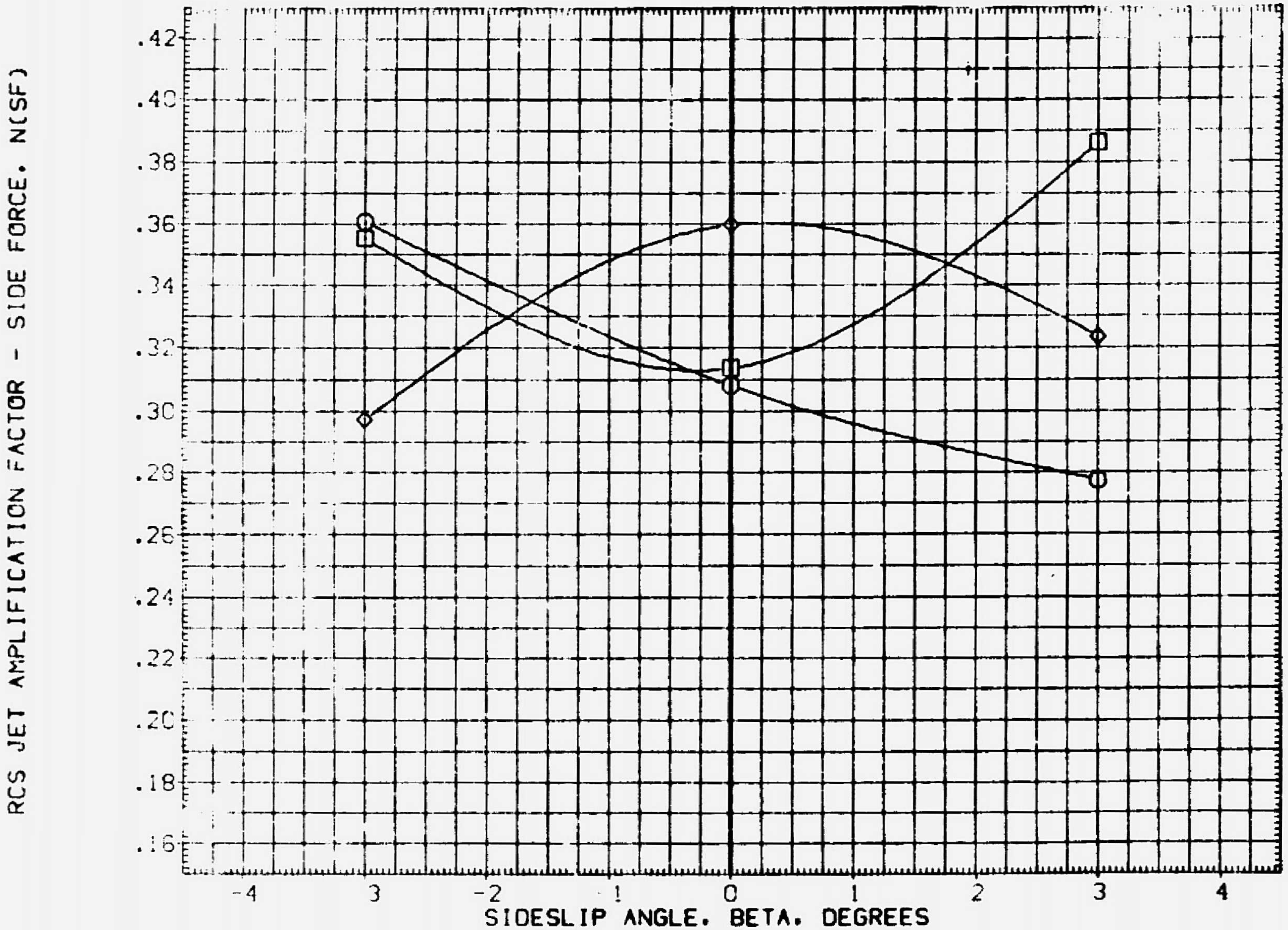


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

C1N79 LARC CFHT 118 (MA-22) (CJA187)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

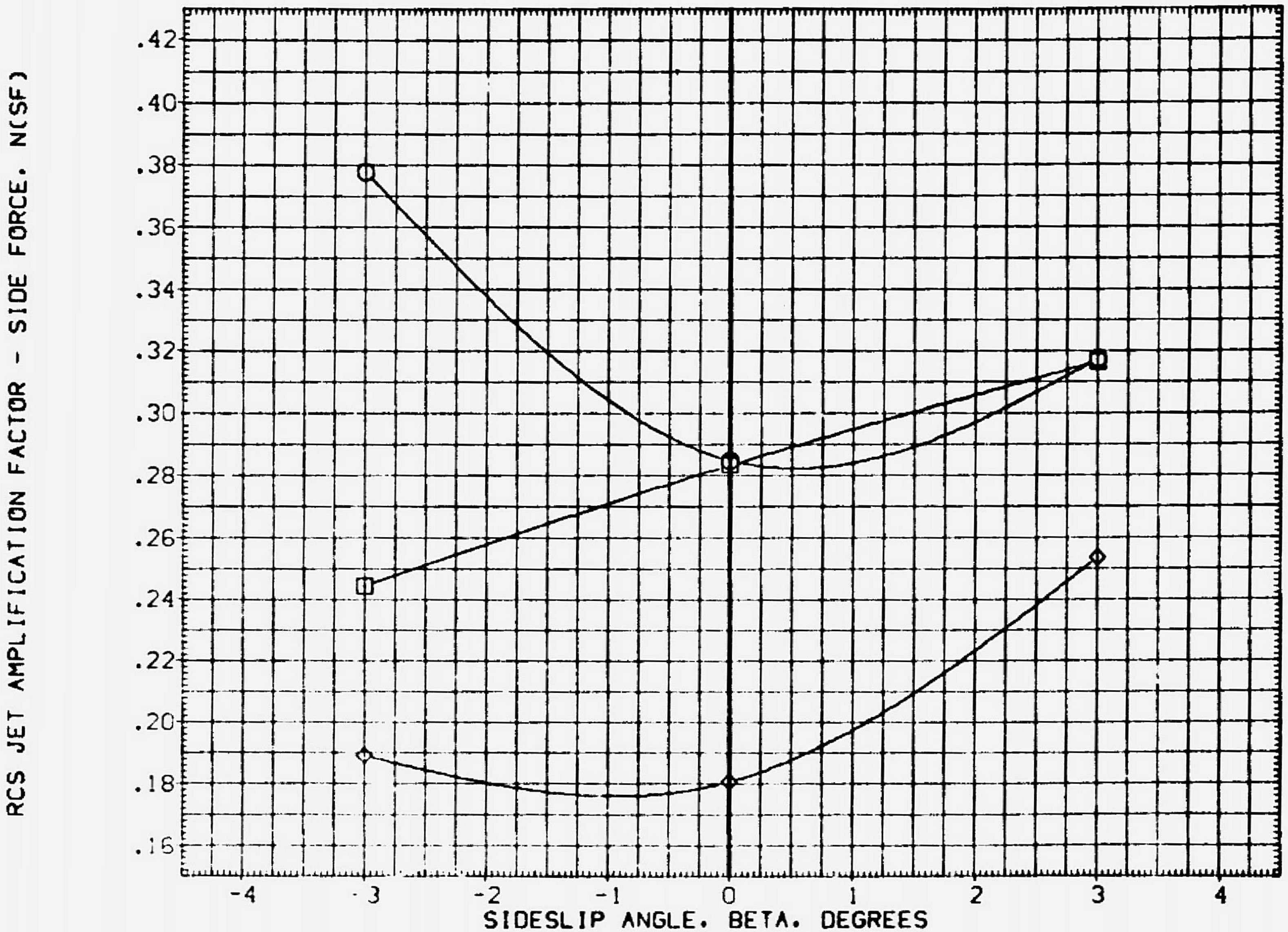


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

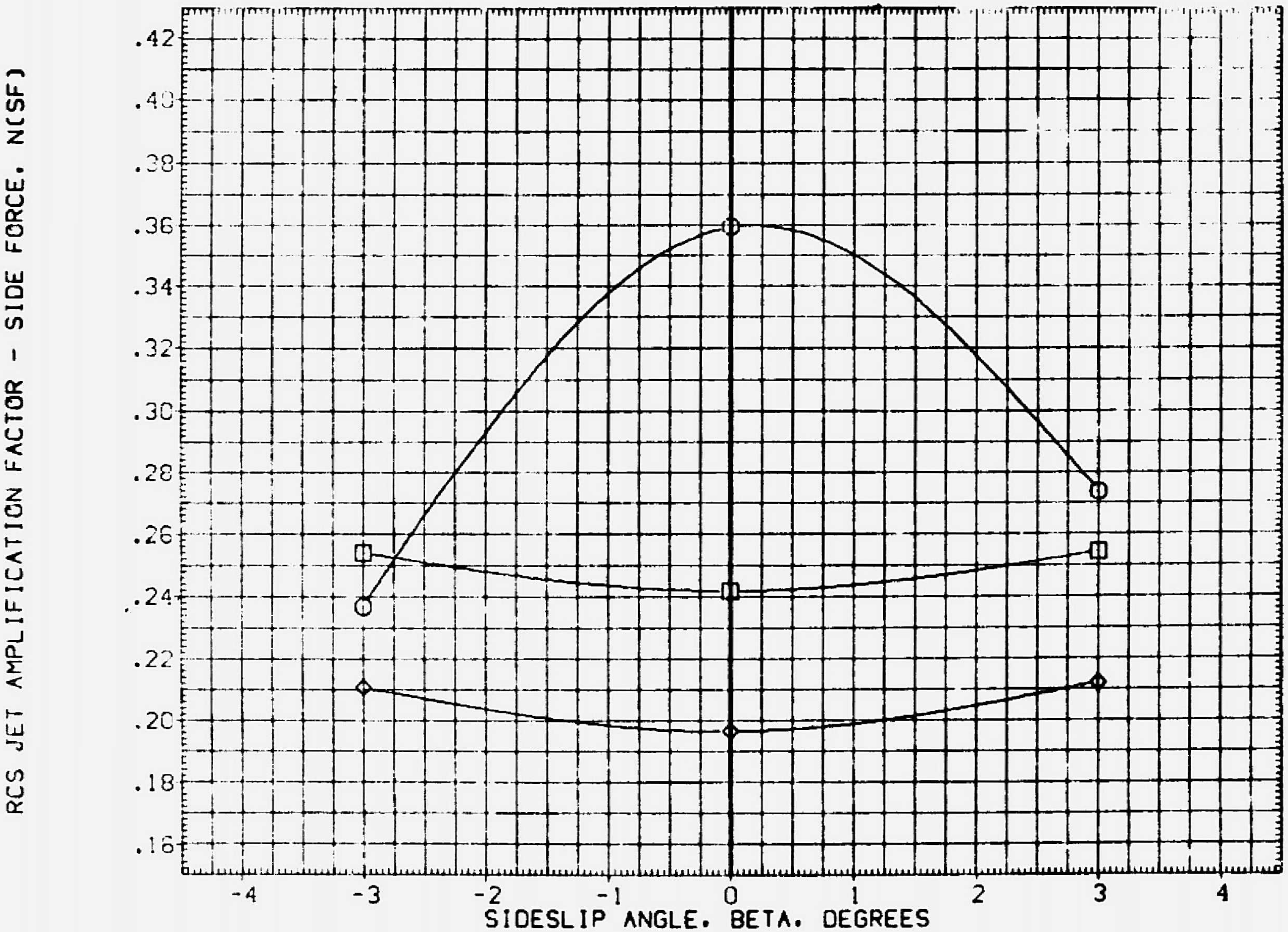


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

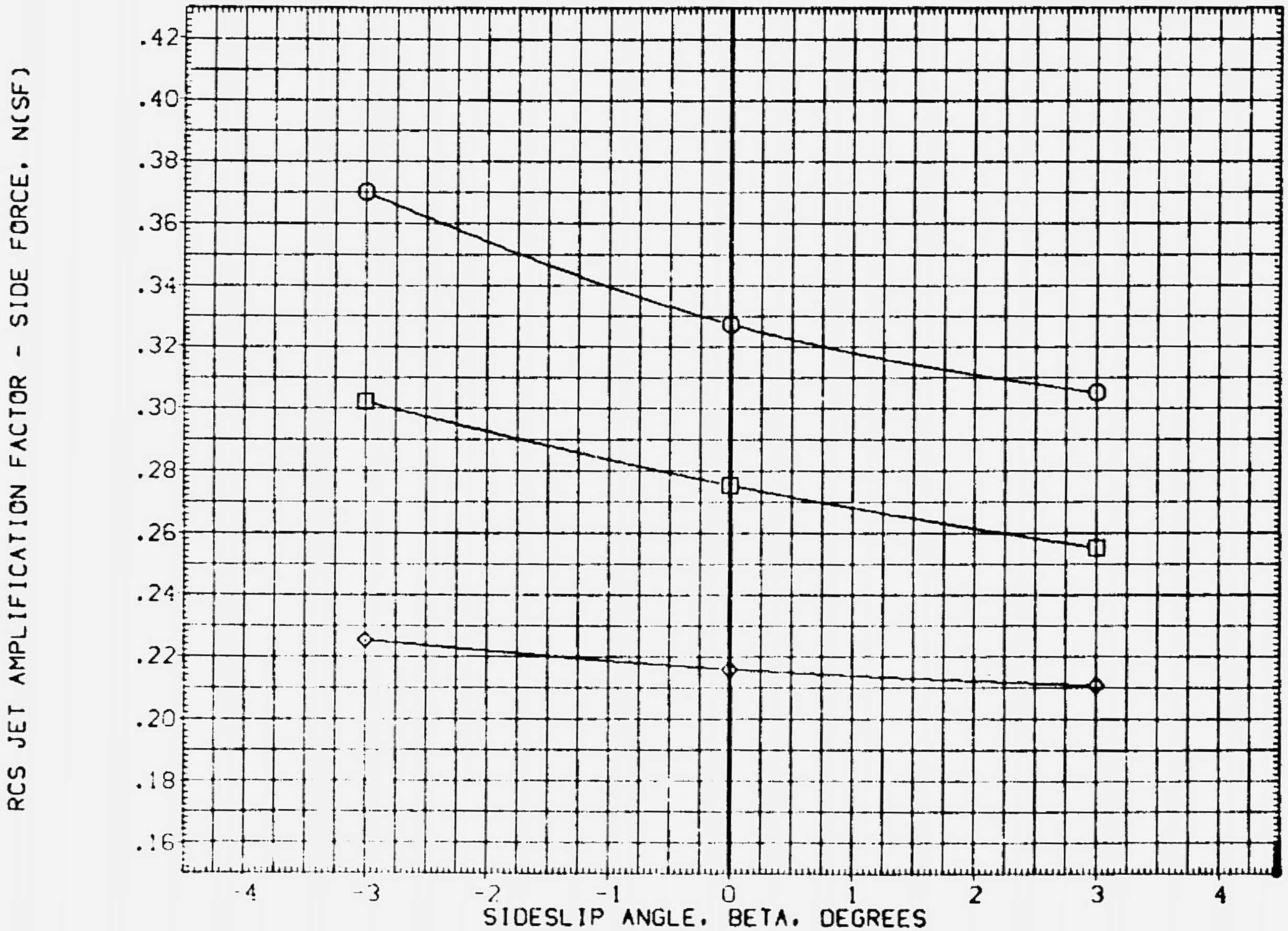


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

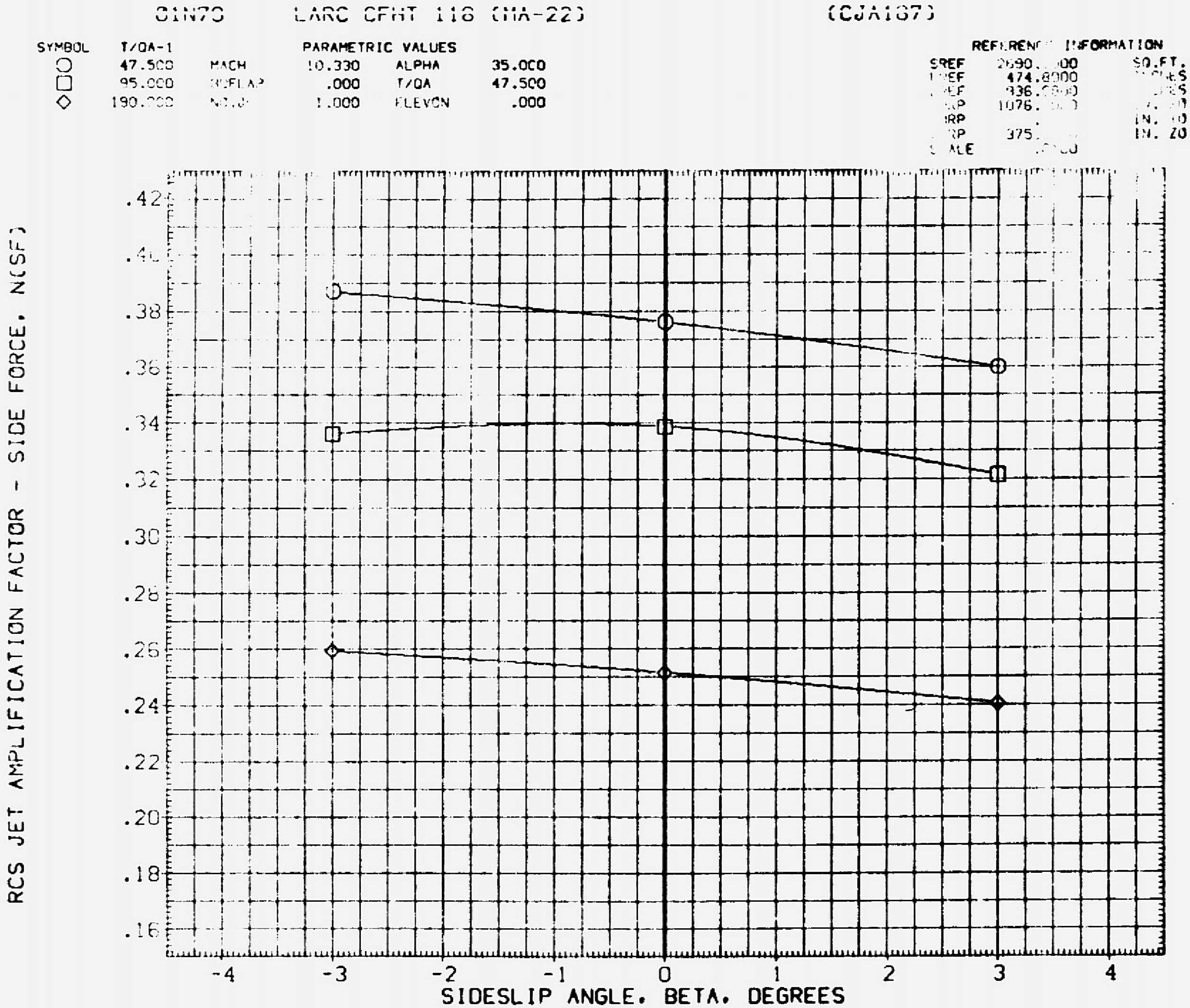


FIGURE 82. AMPLIFICATION FACTOR IN YAW, N79 JETS

01N49 LARC CFHT 118 (MA-22) (CJA204)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

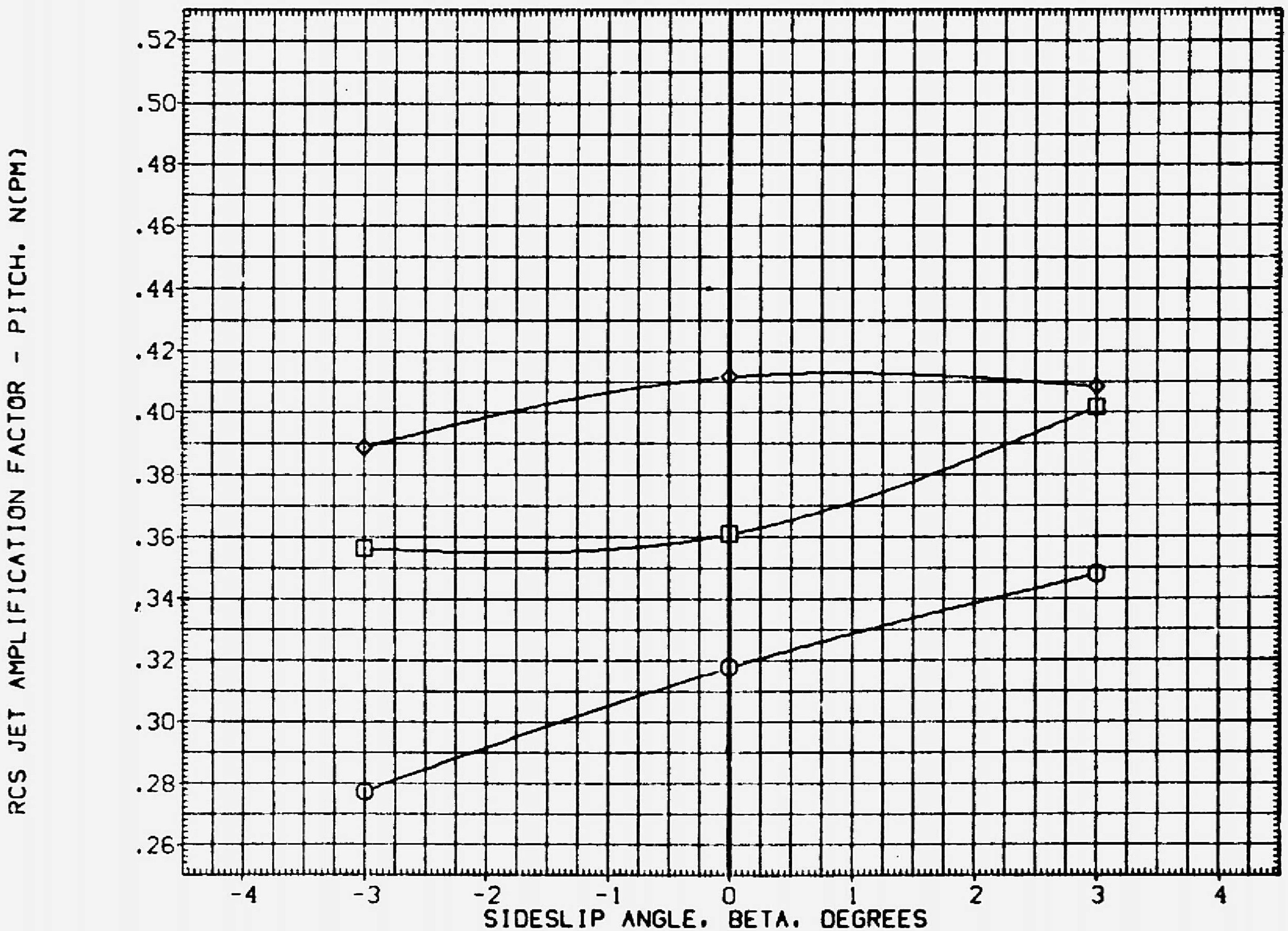


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	[illegible]90.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

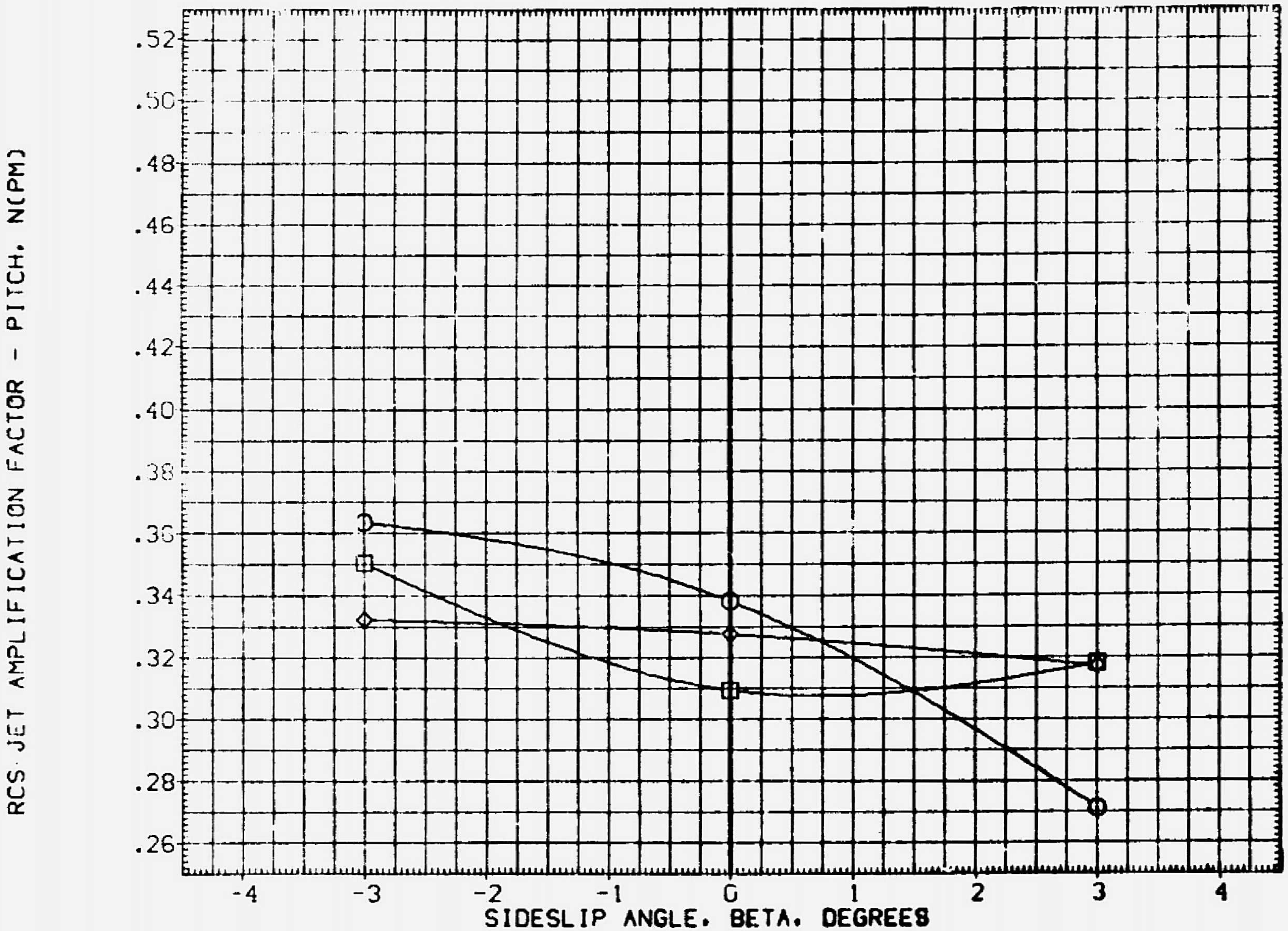


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

01N49 LARC CFHT 118 (MA-22) (CJA204)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

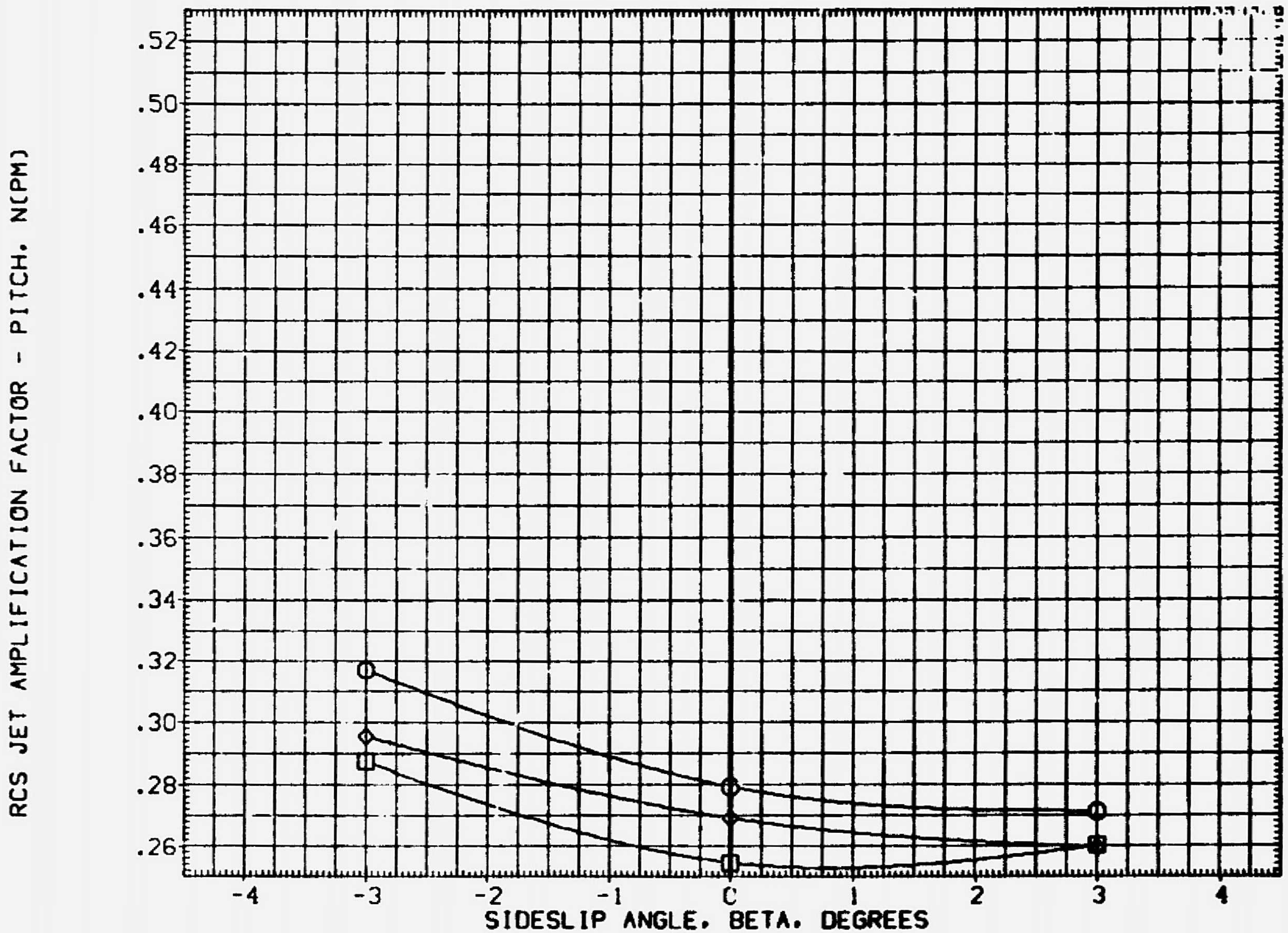


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

OIN43 LARC CFHT 118 (MA-22) (CJA204)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

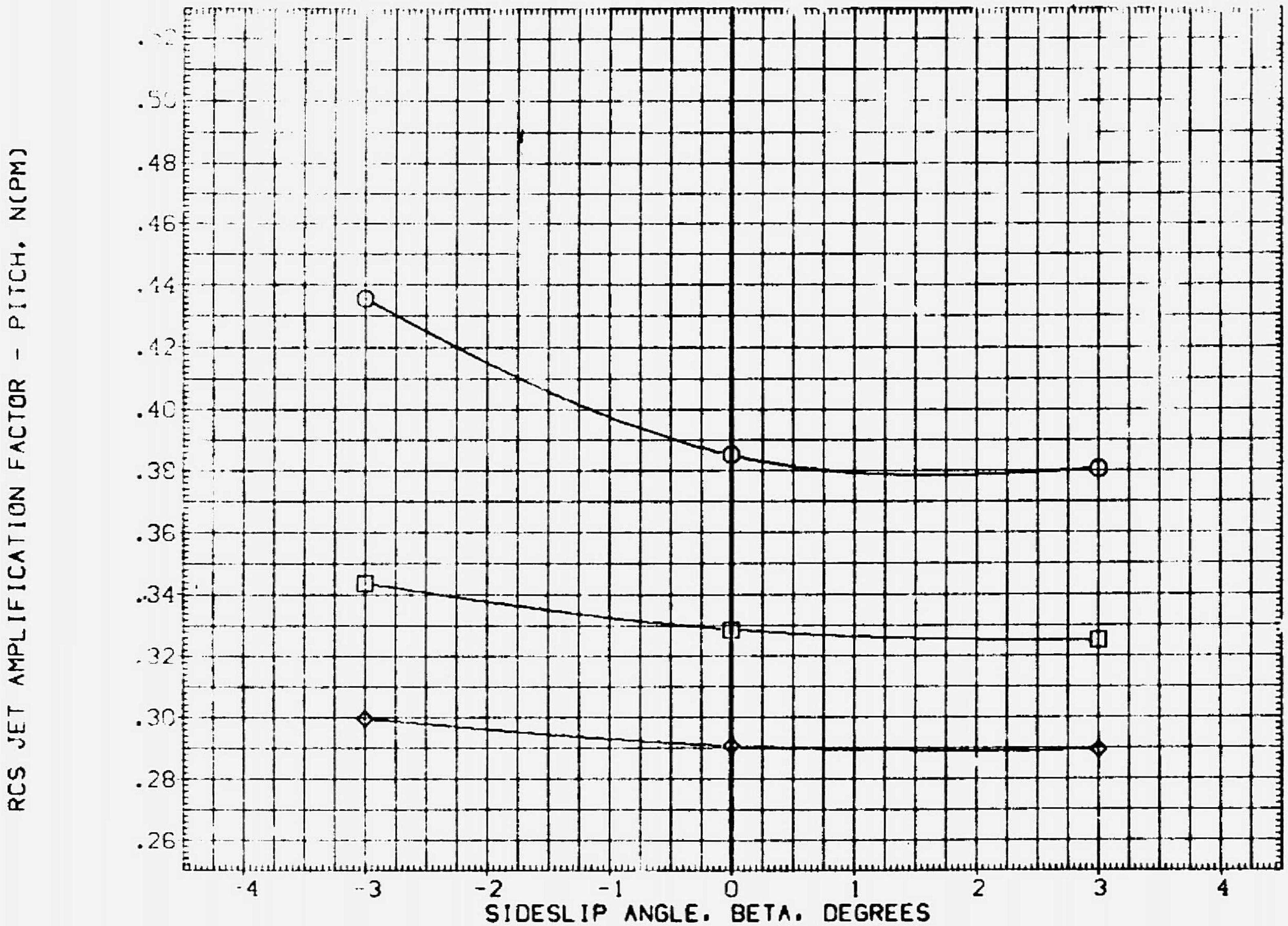


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

01N49 LARC CFHT 118 (MA-22) (CJA204)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

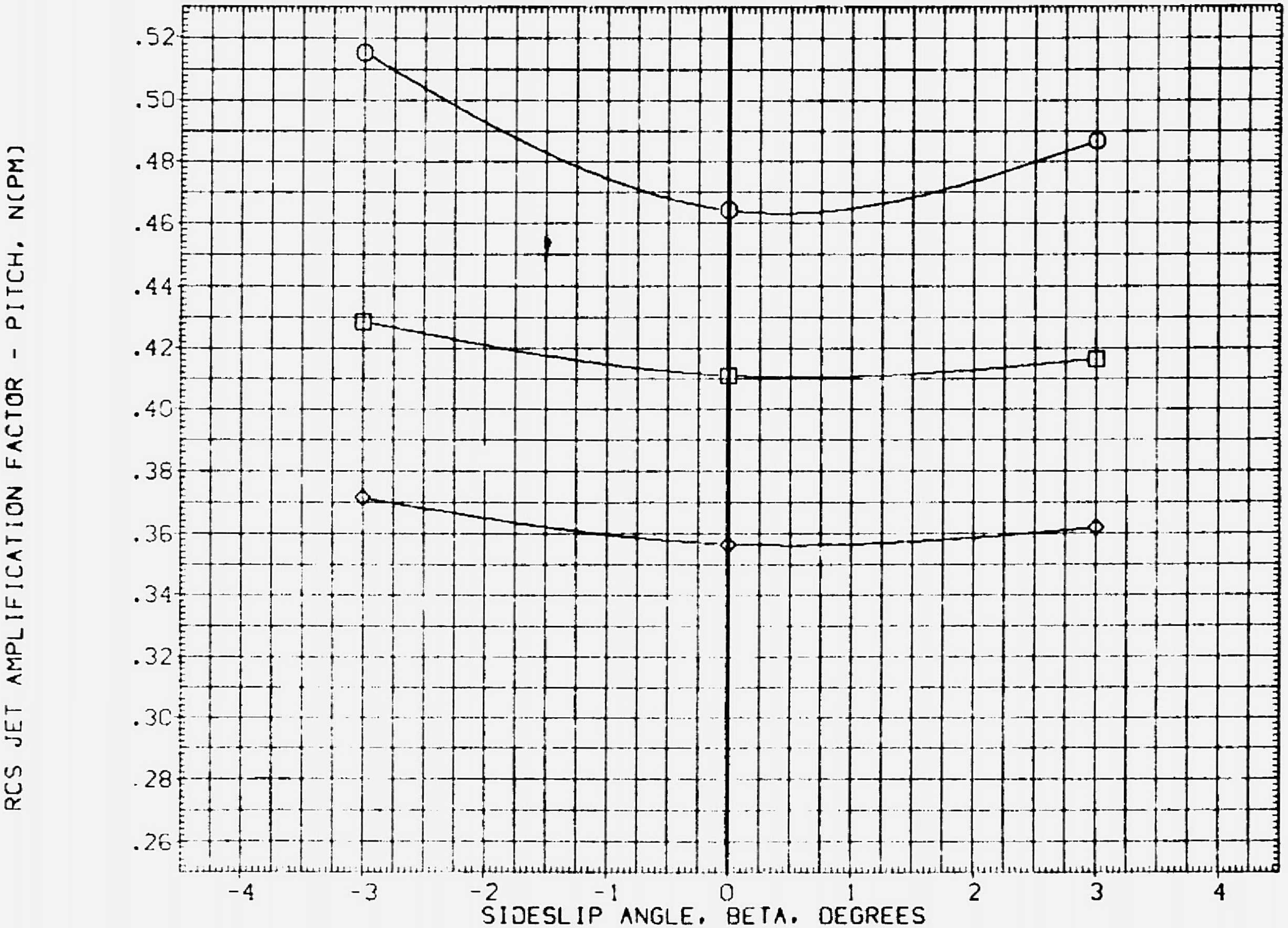


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

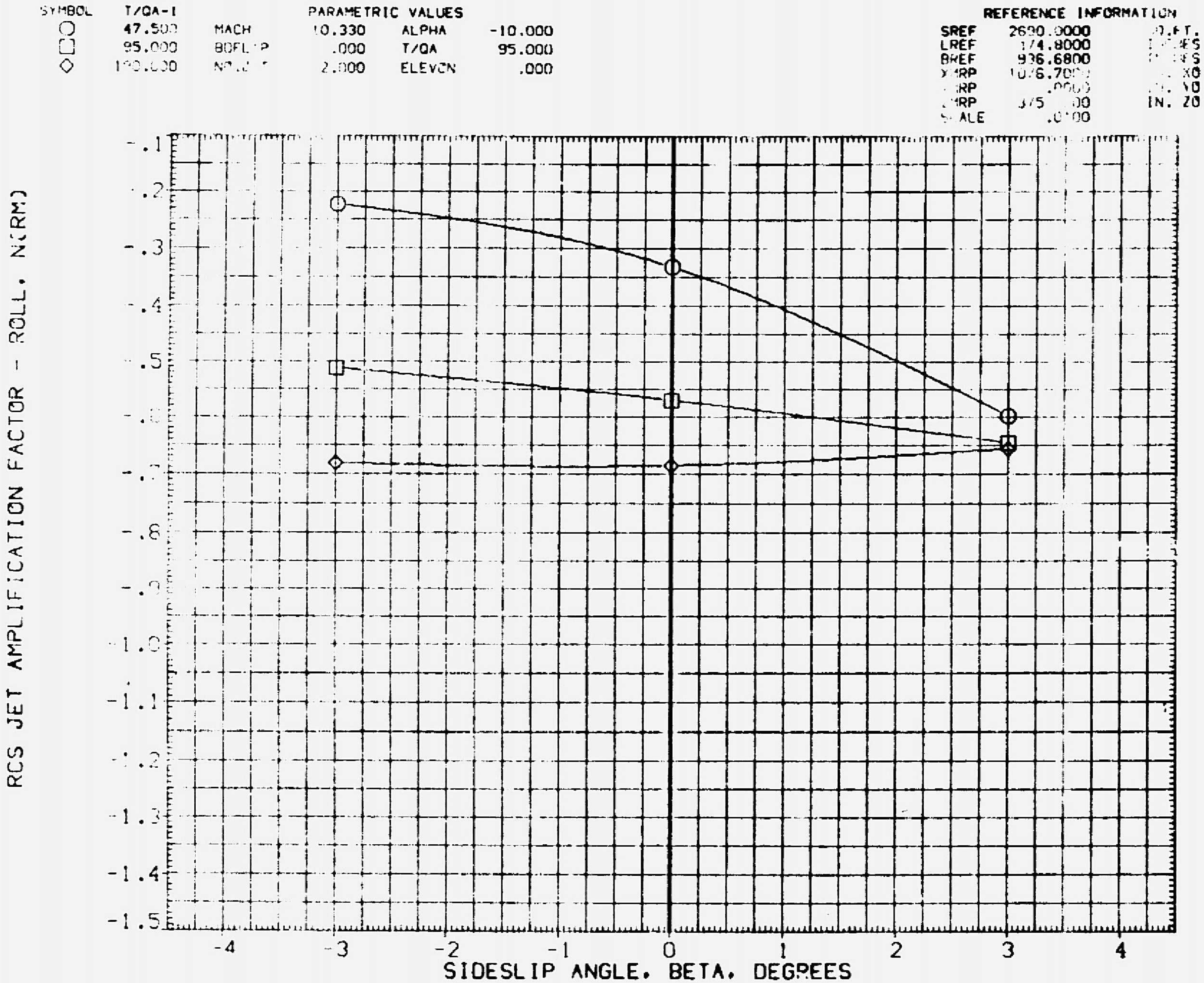


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

OIN49 LARC CFHT 118 (MA-22) (CJA204)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

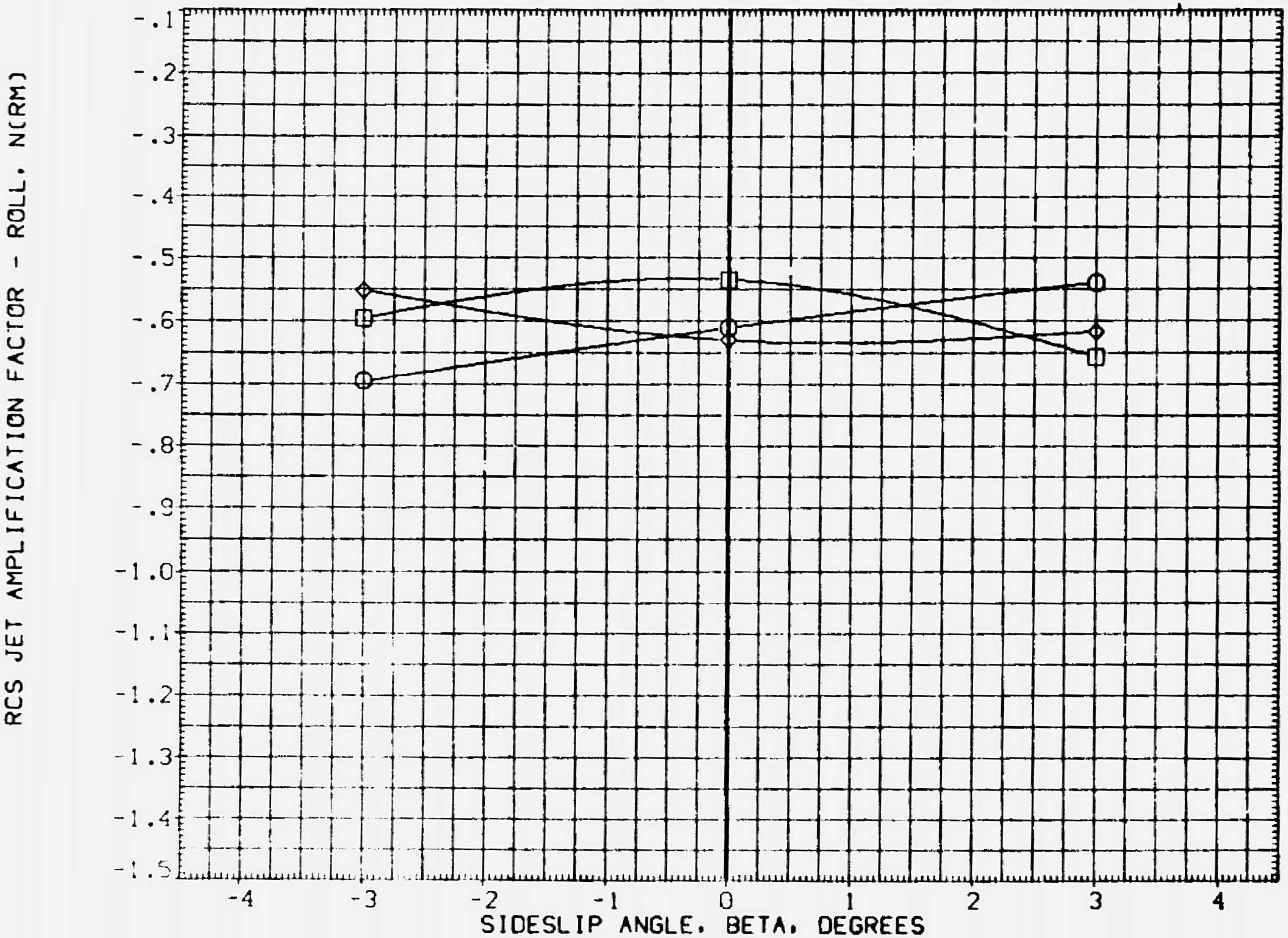


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

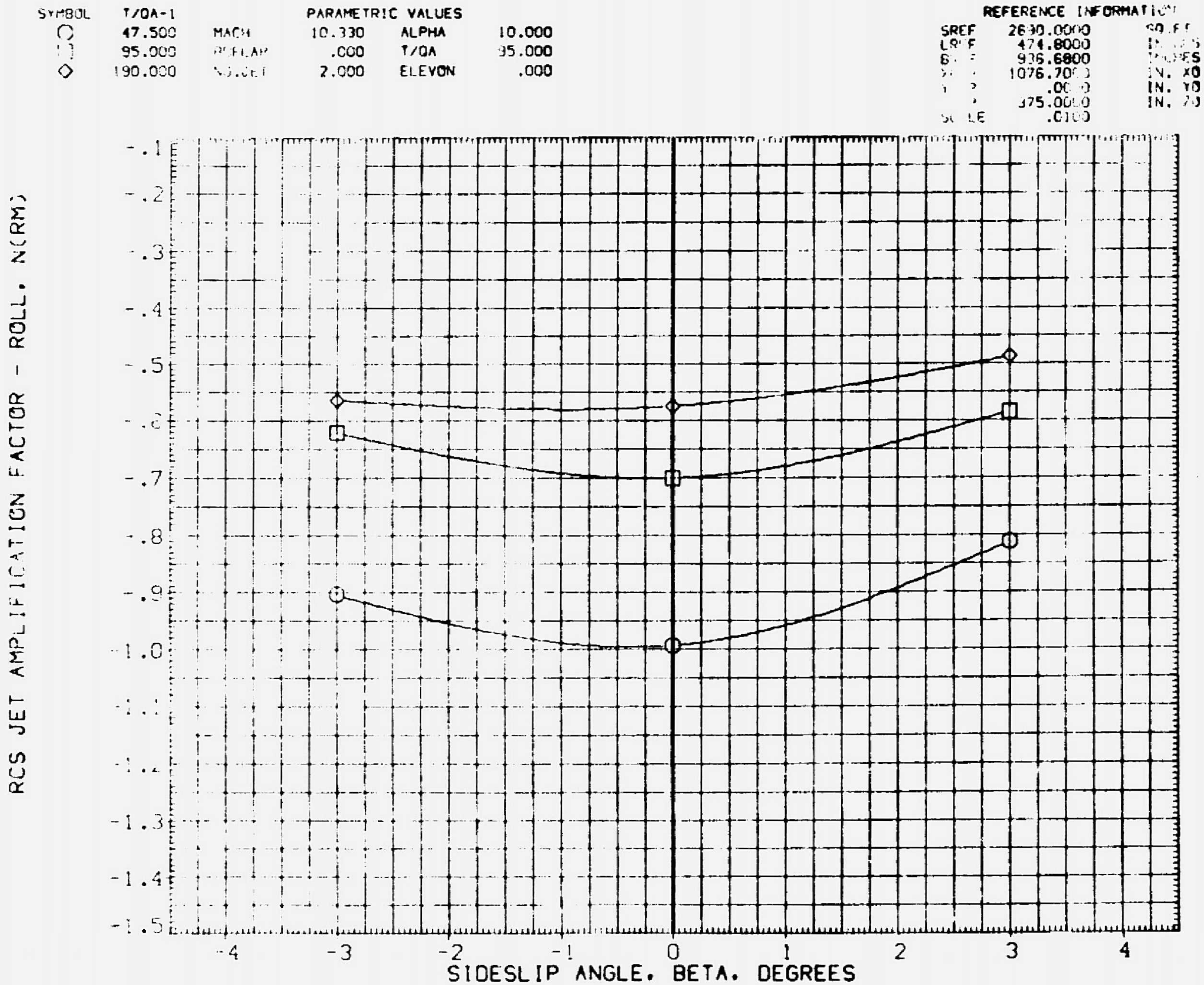


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

01N49 LARC CFHT 118 (MA-22) (CJA204)

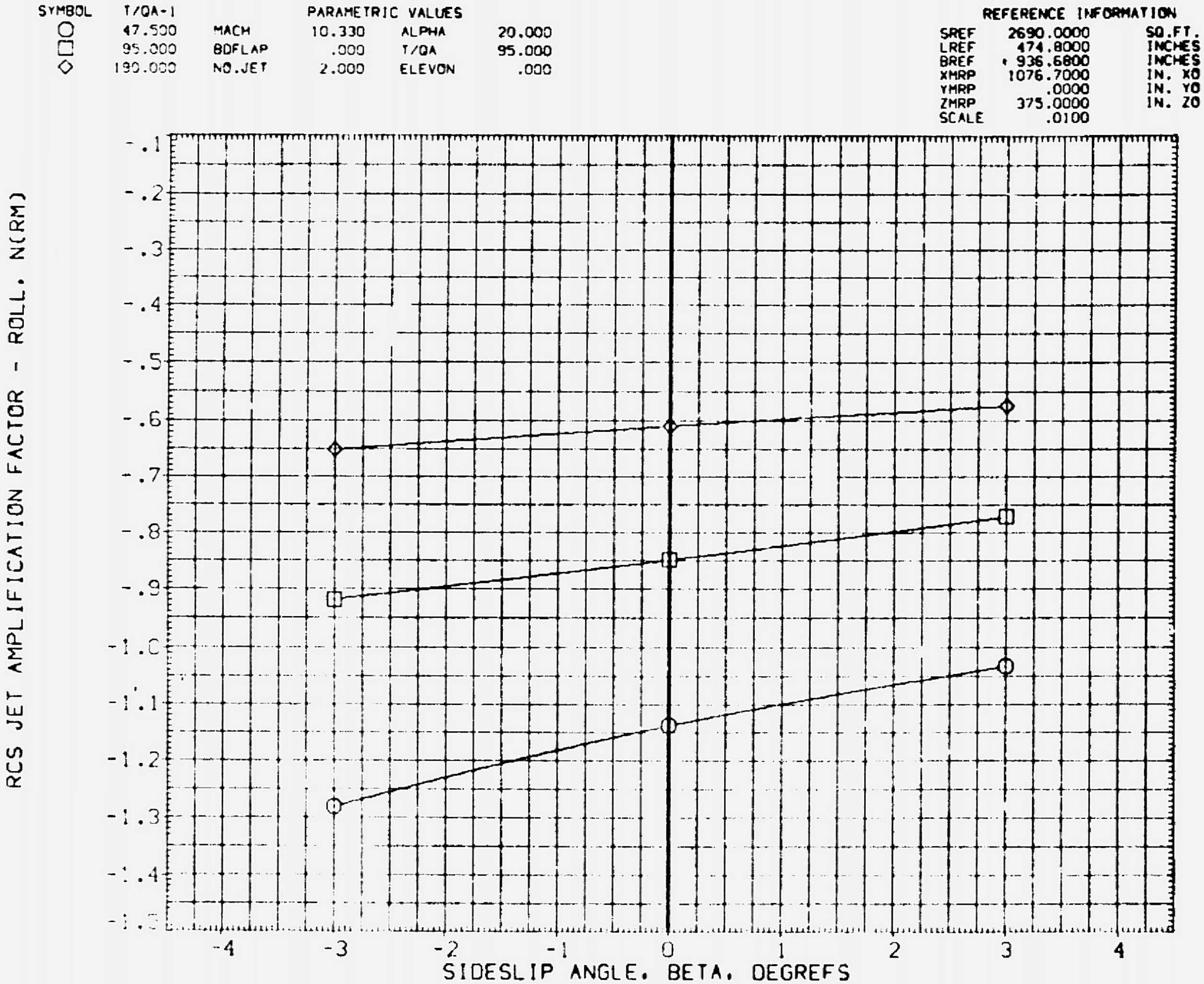


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

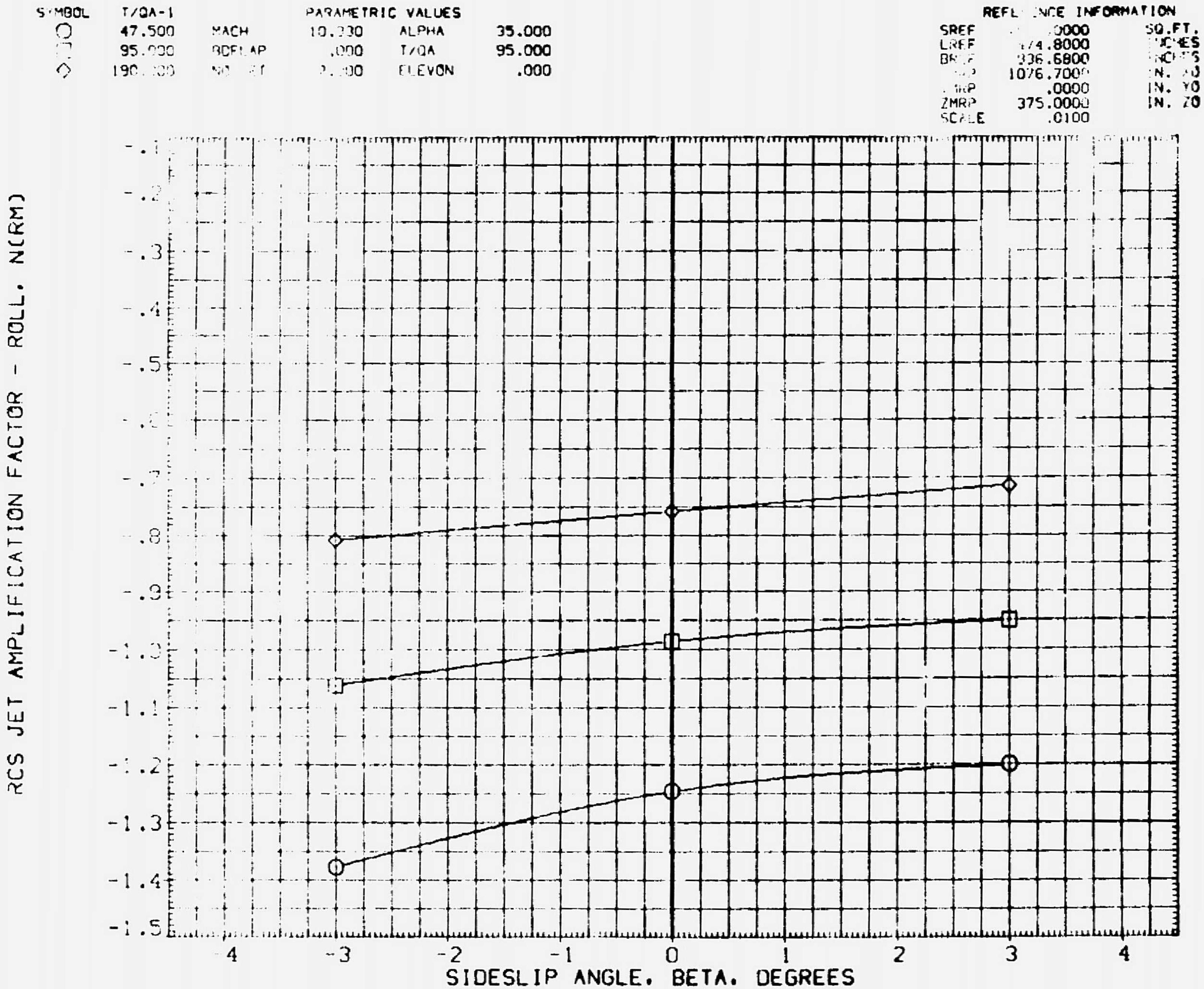


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

OIN49 LARC CFHT 118 (MA-22) (CJA204)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	100.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

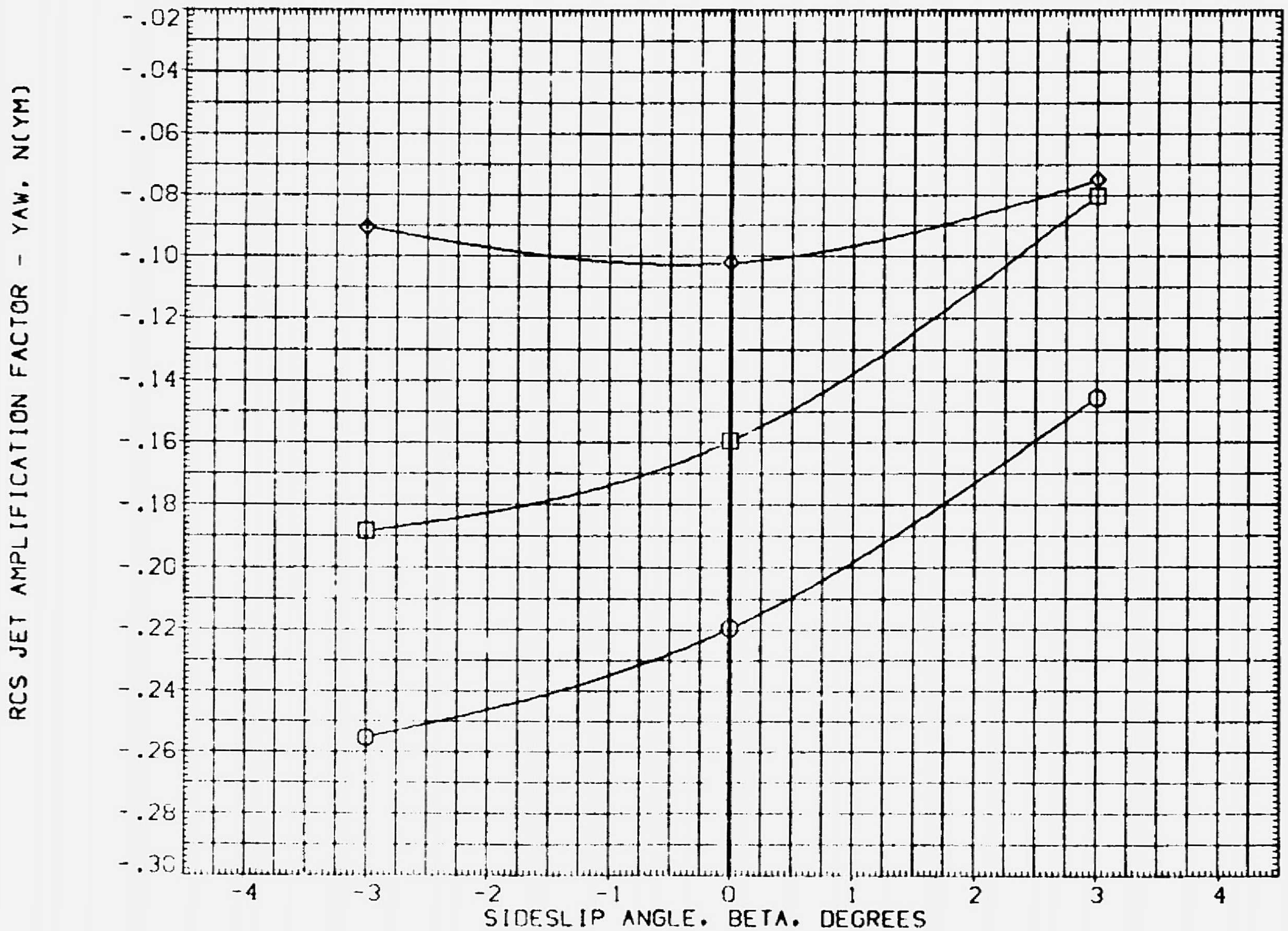


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

OIN40 LARC CFHT 118 (MA 22) (CJA204)

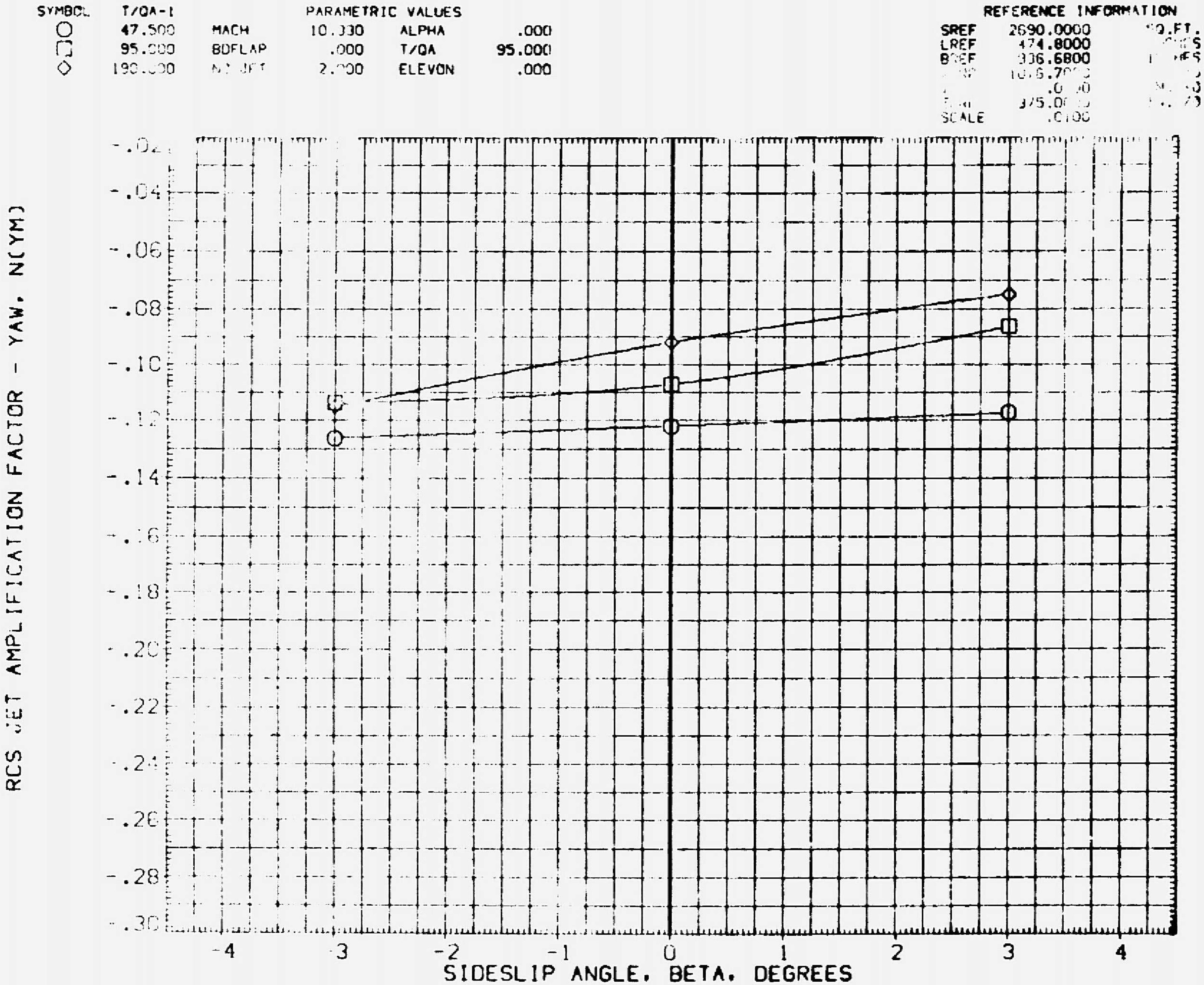


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

01N49 LARC CFHT 118 (MA-22) (CJA204)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

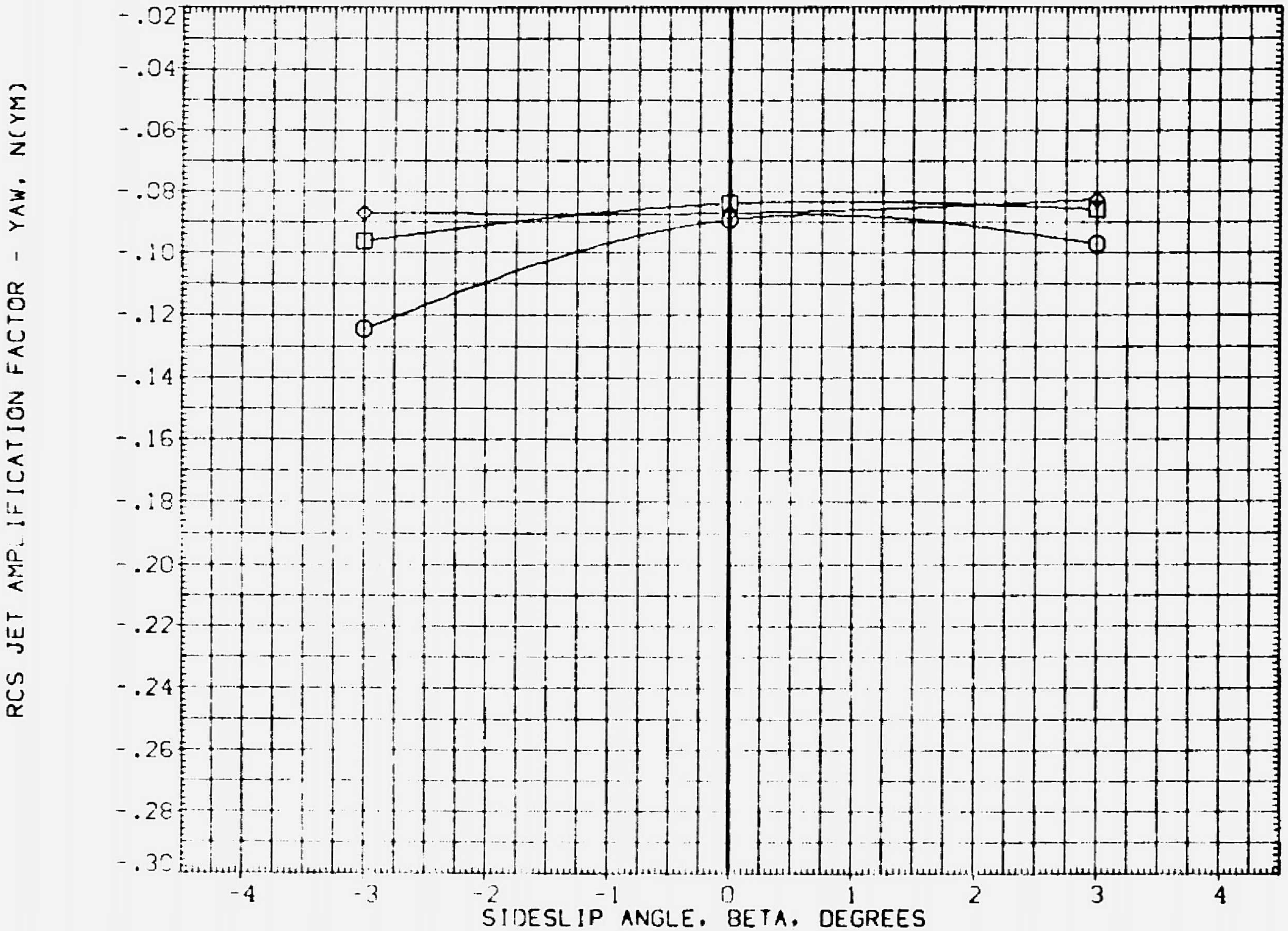


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NOJET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	[illegible].0000	SQ.FT.
L	474.8000	INCHES
B	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

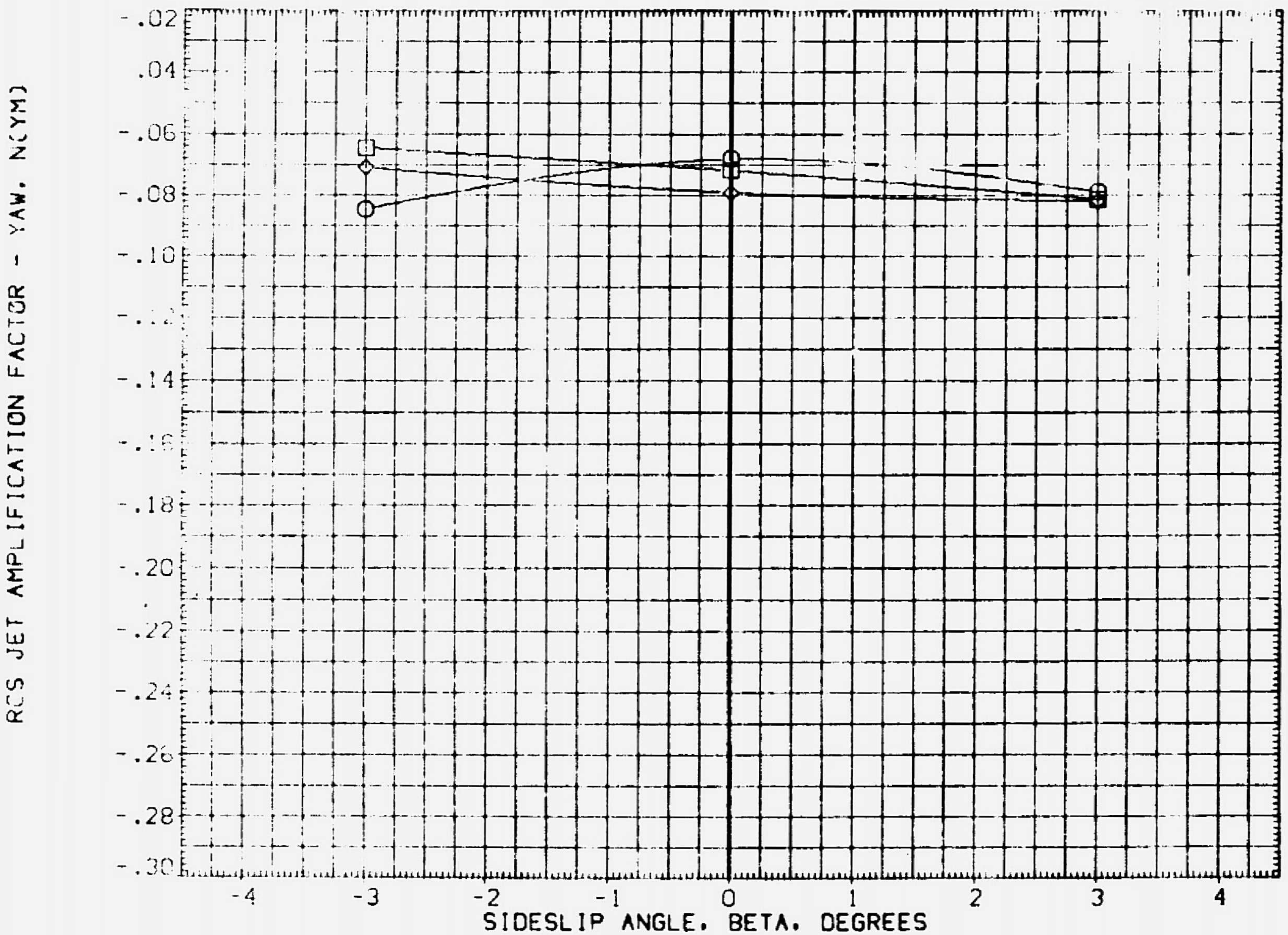


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

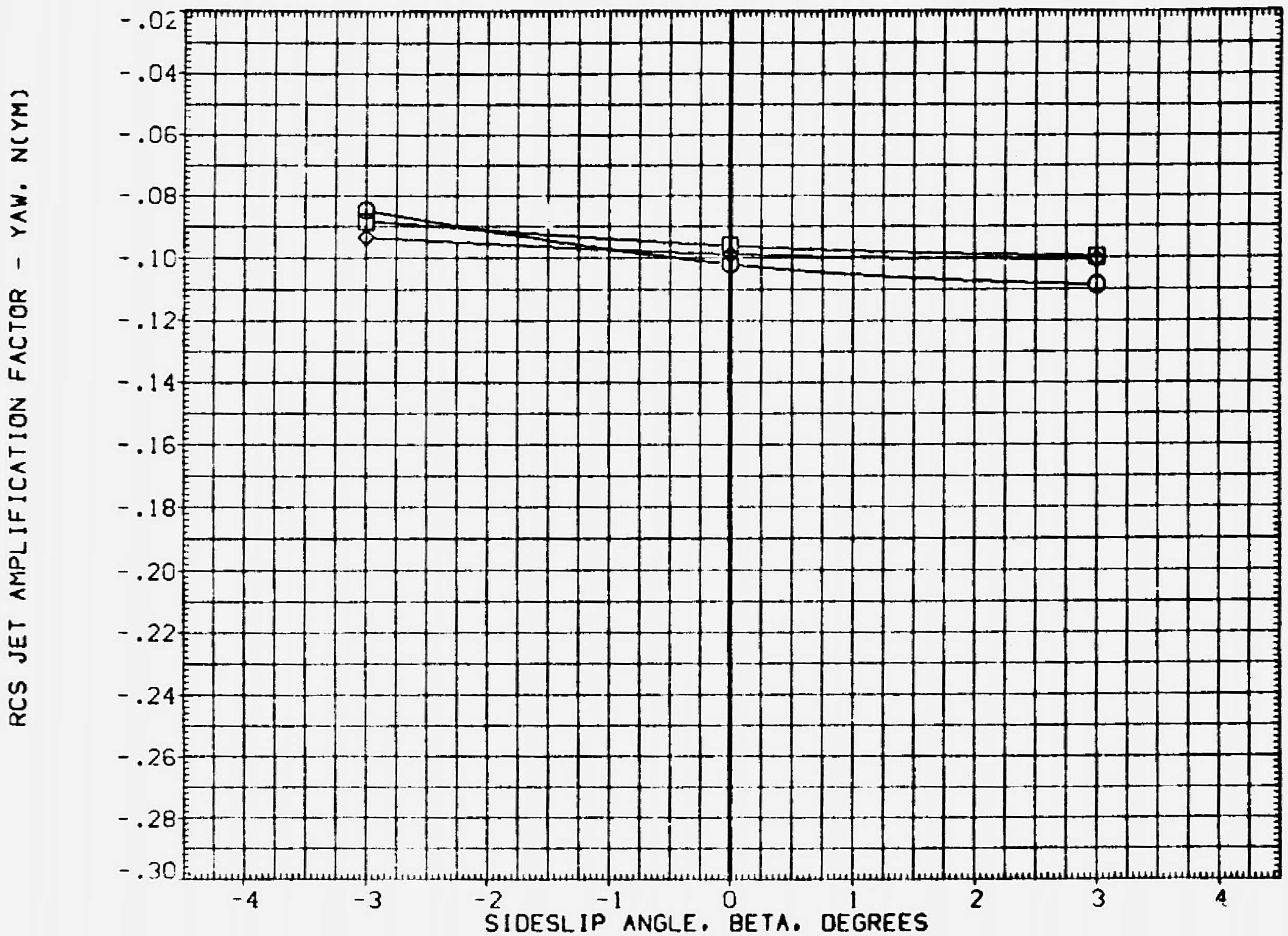


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

01N49 LARC CFHT 118 (MA-22) (CJA204)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

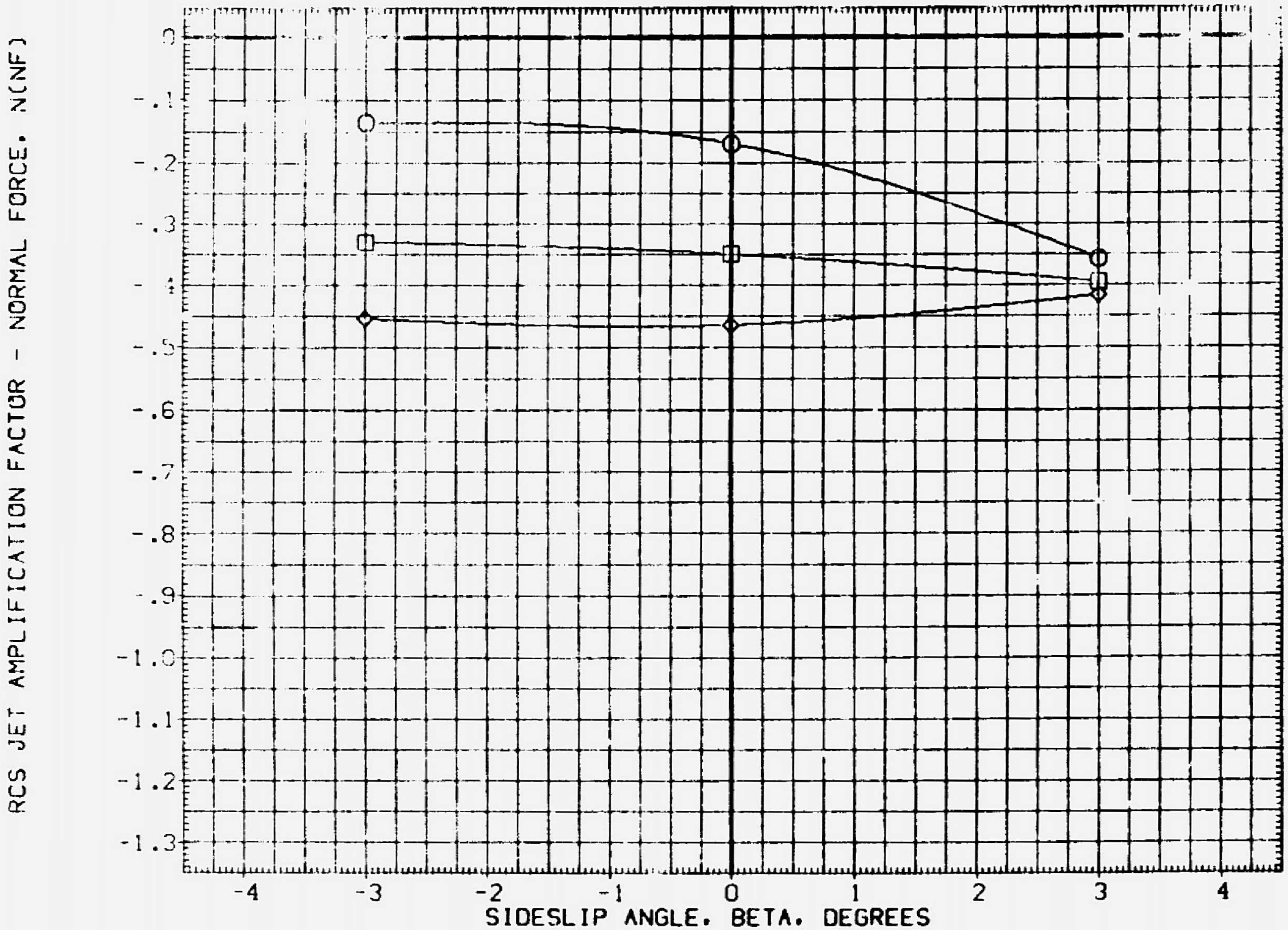


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

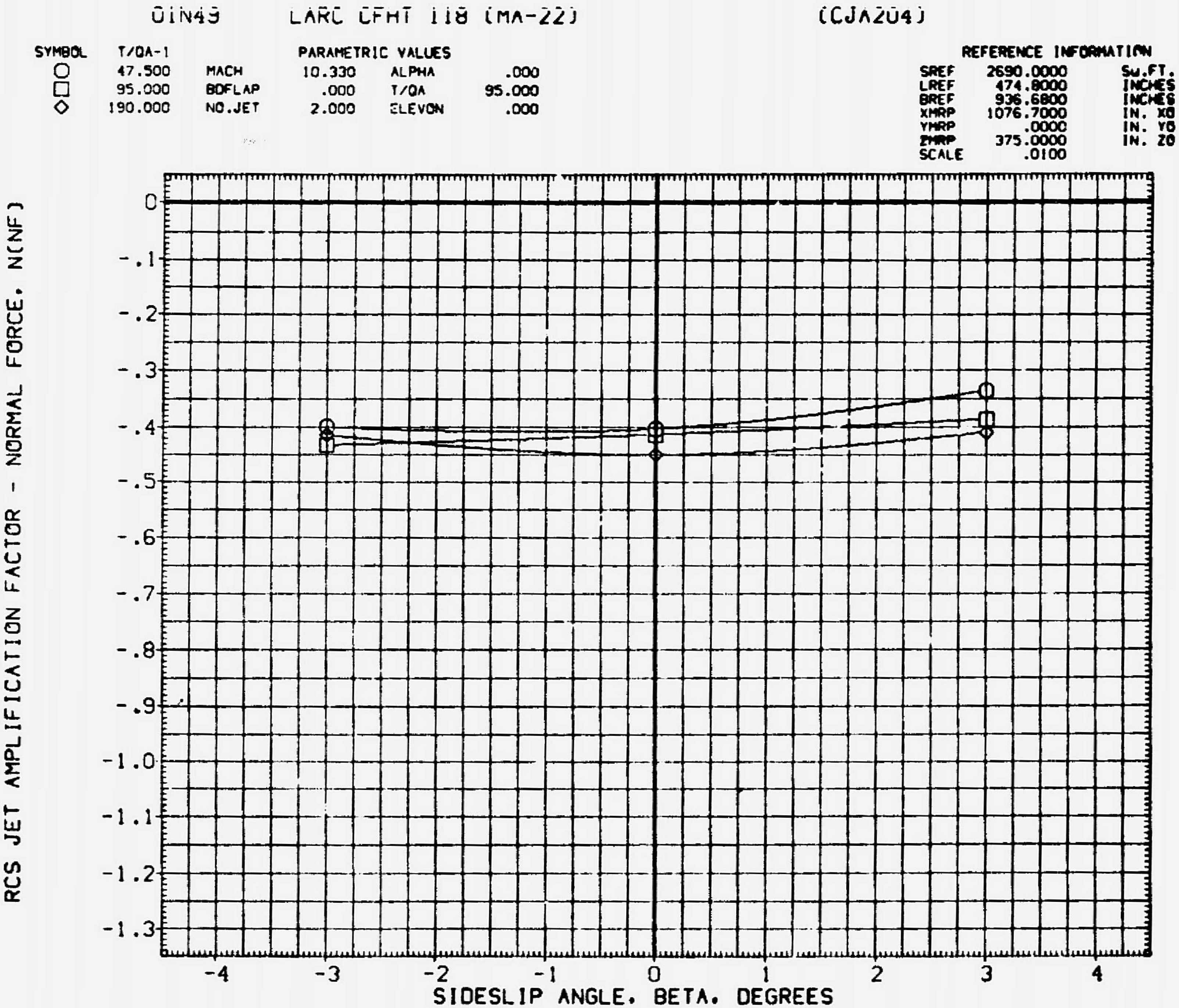


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

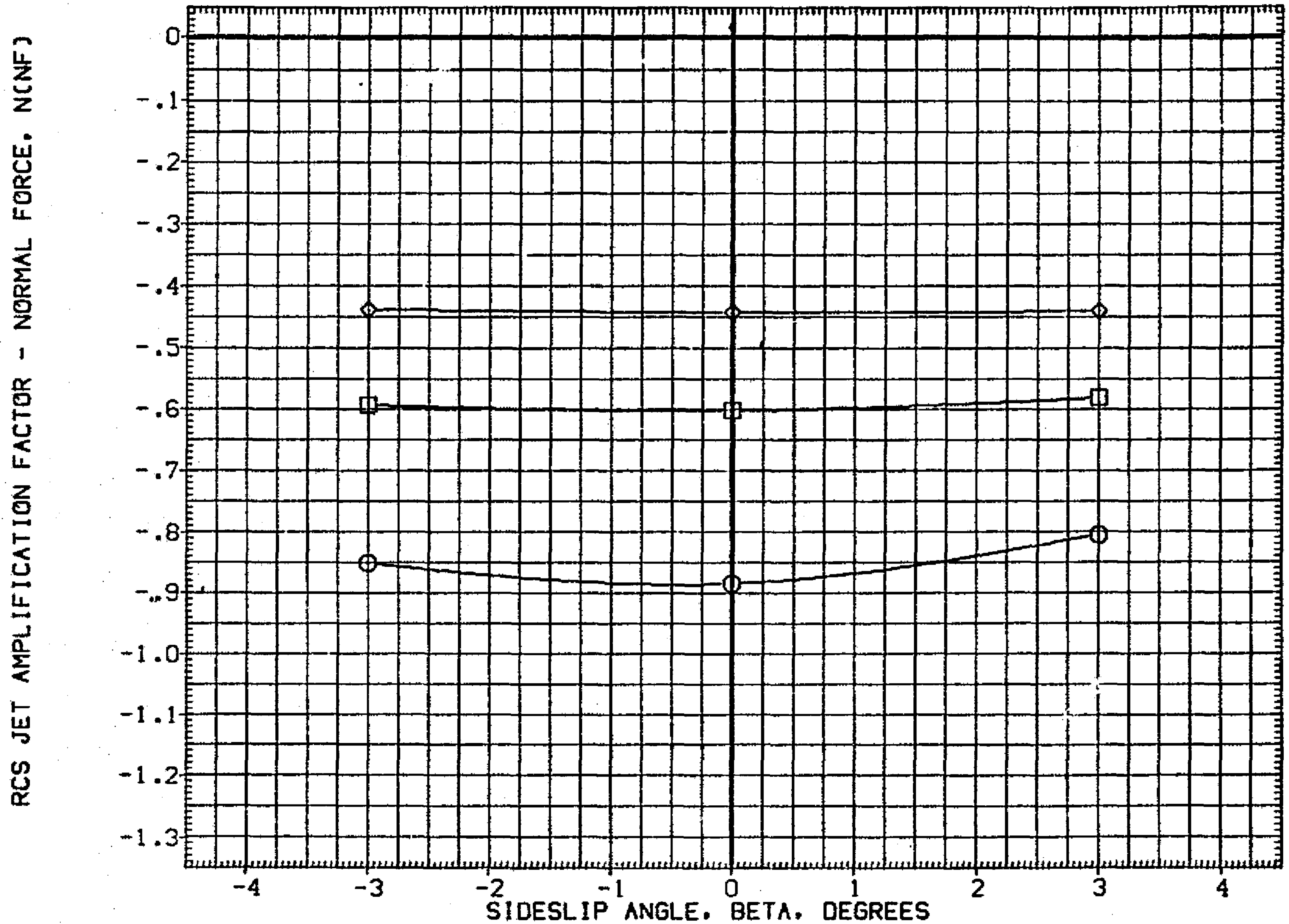


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

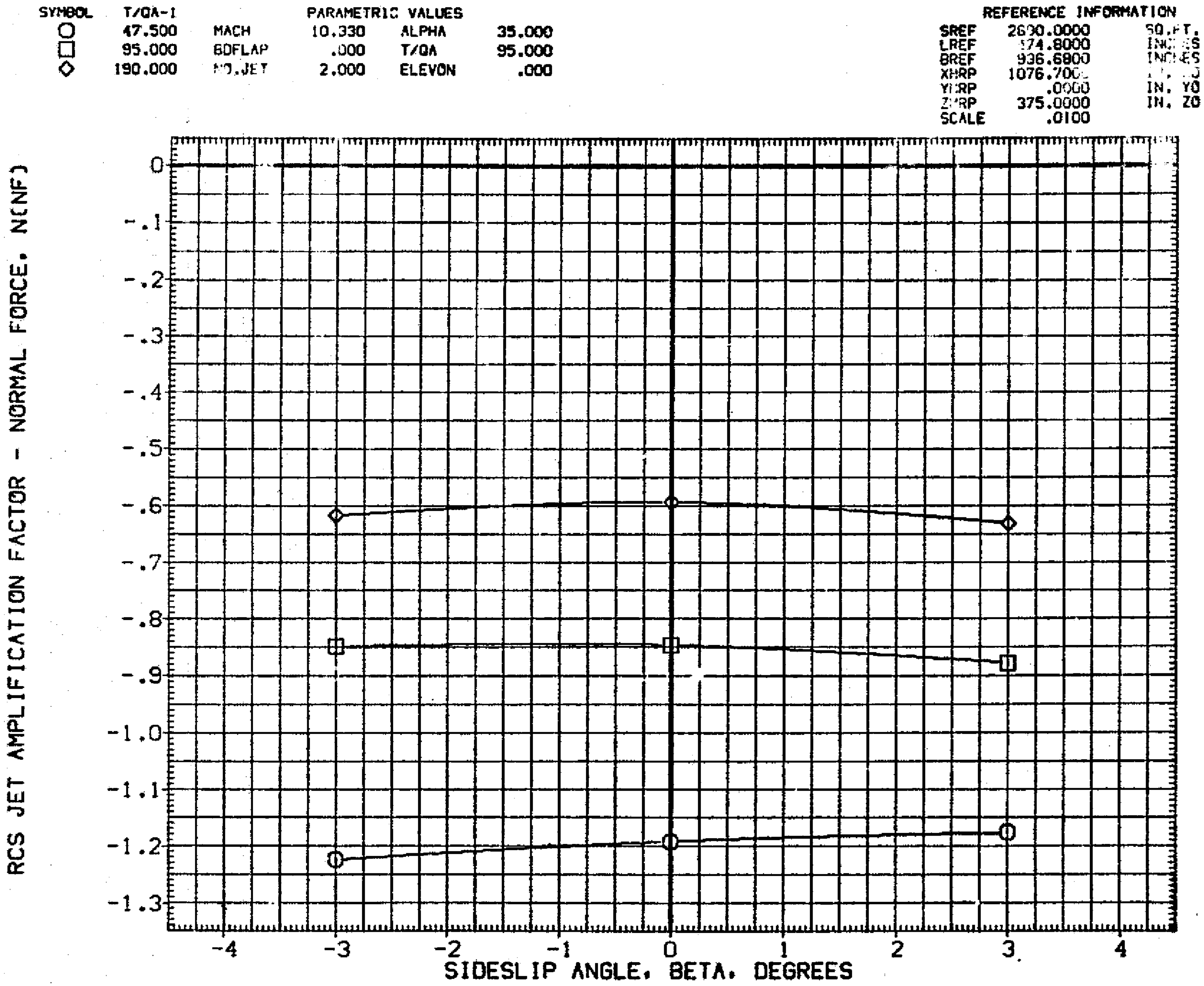


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

01N49 LARC CFHT 118 (MA-22) (CJA204)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

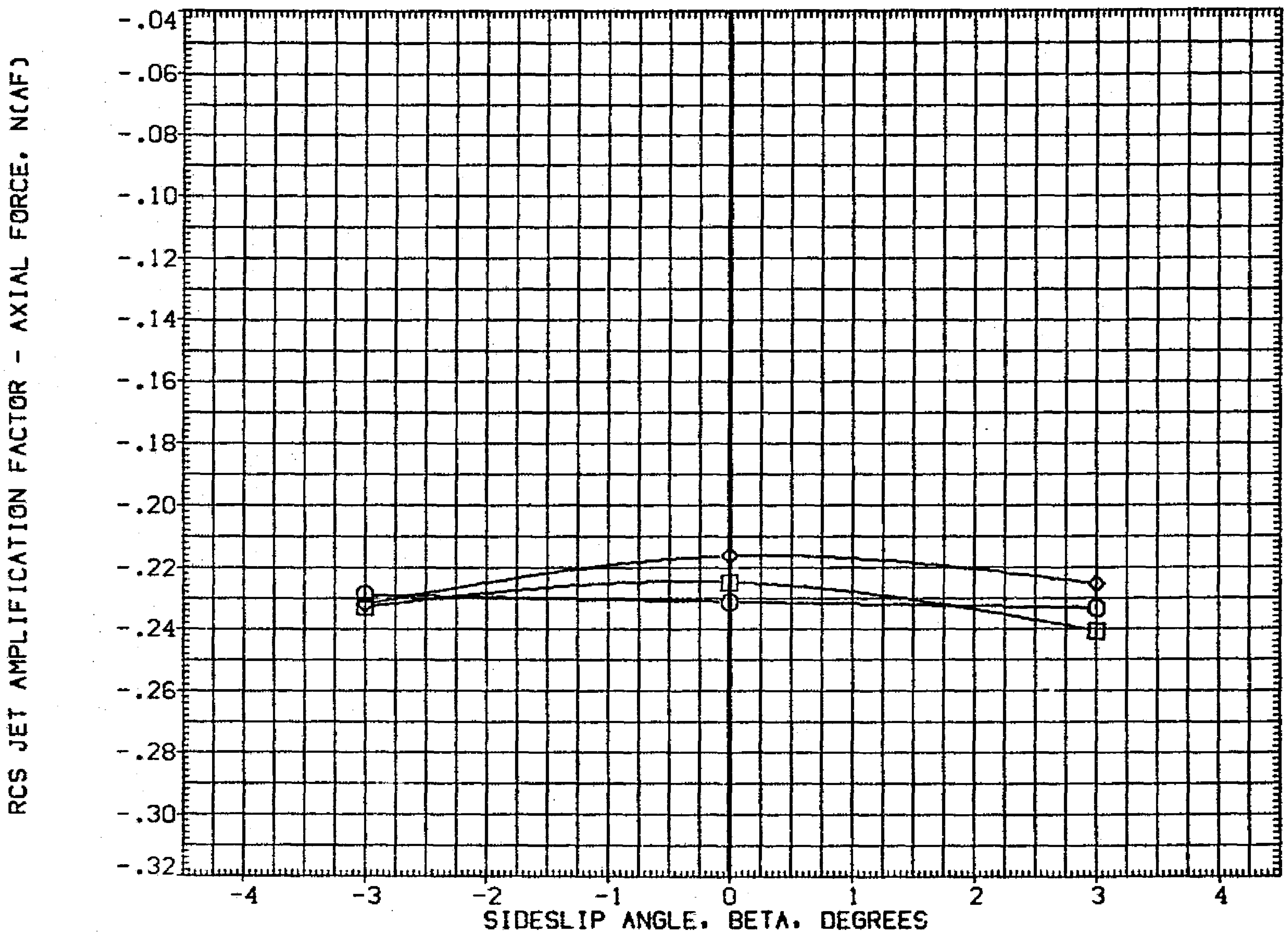


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

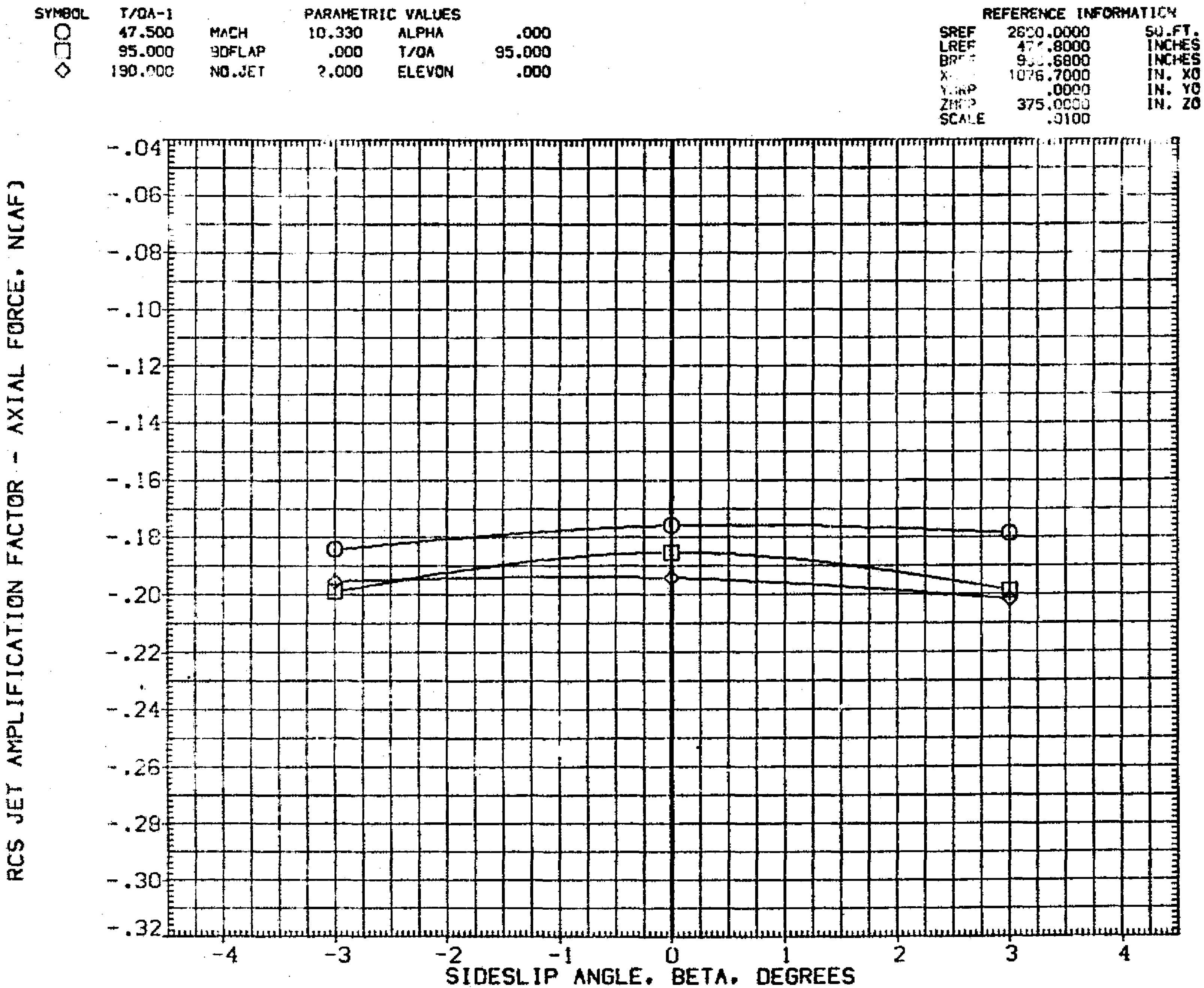


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

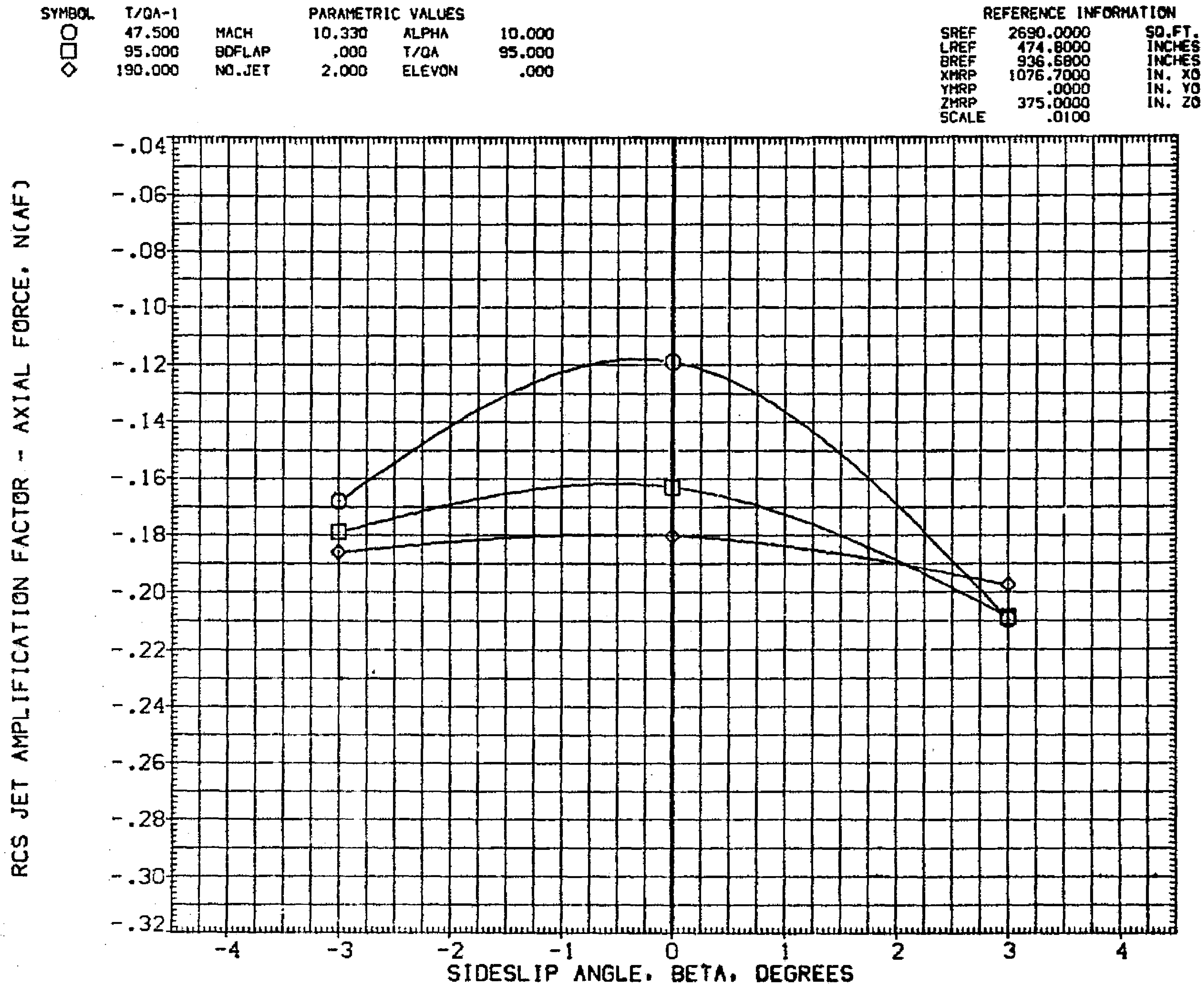


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

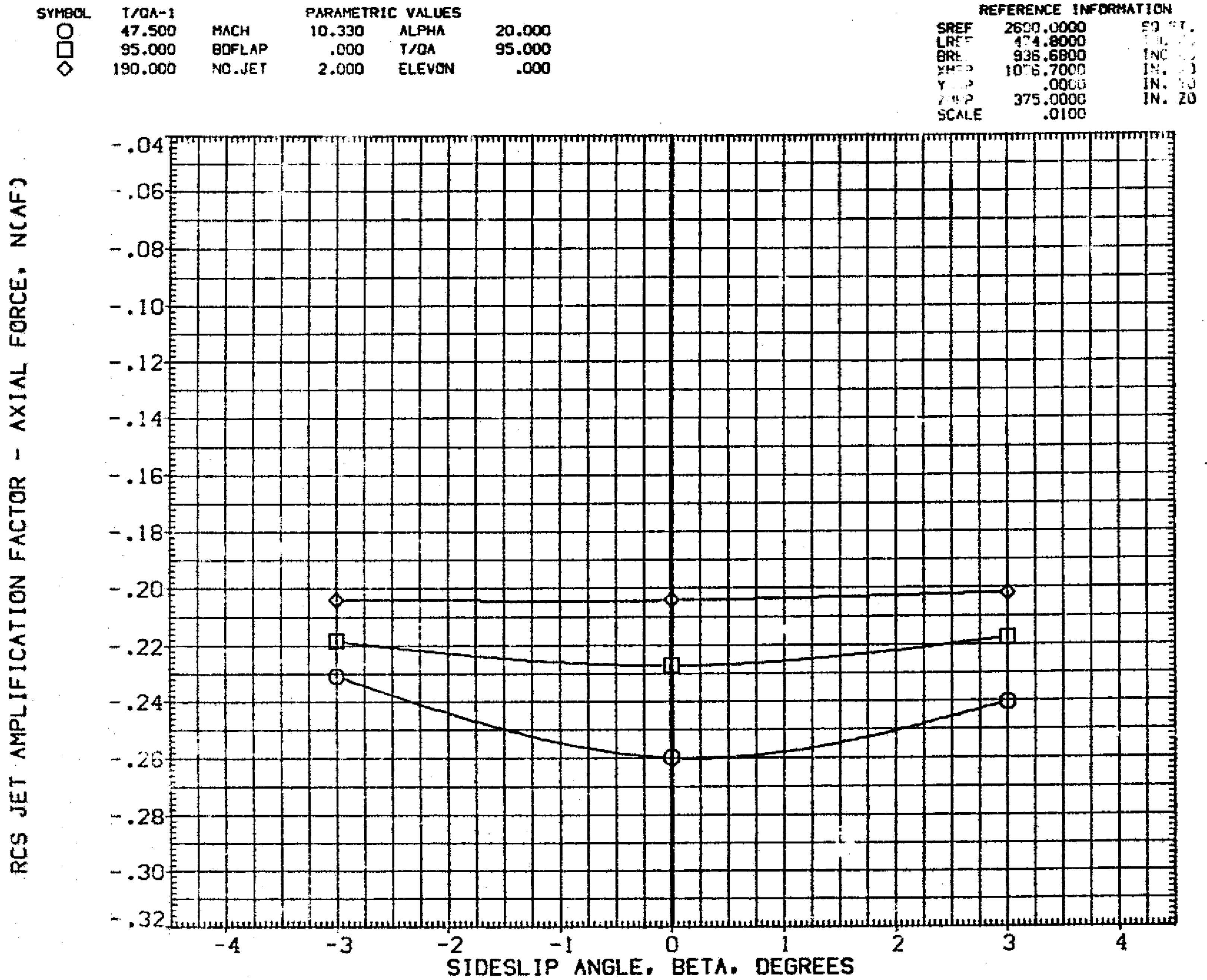


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

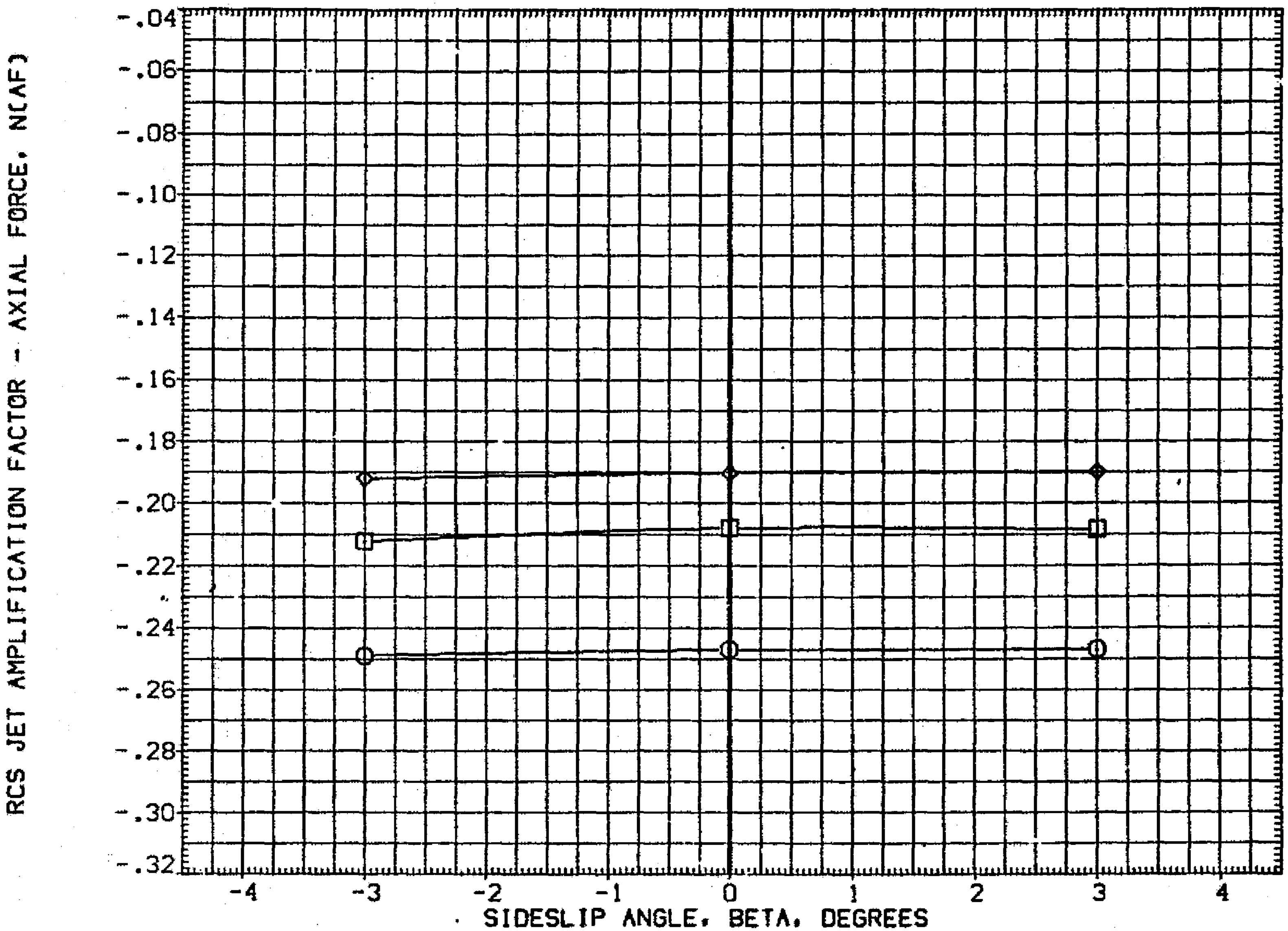


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

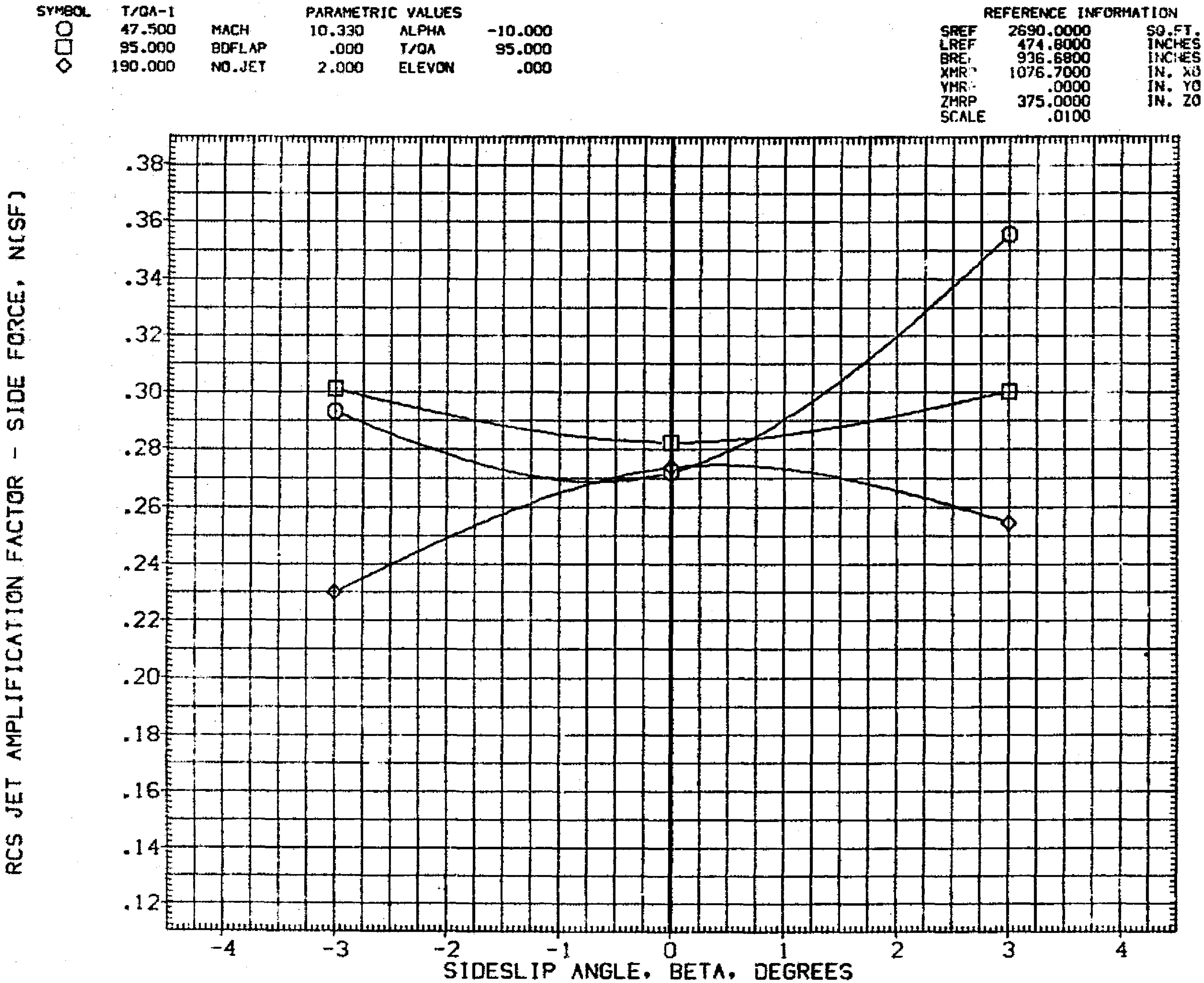


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

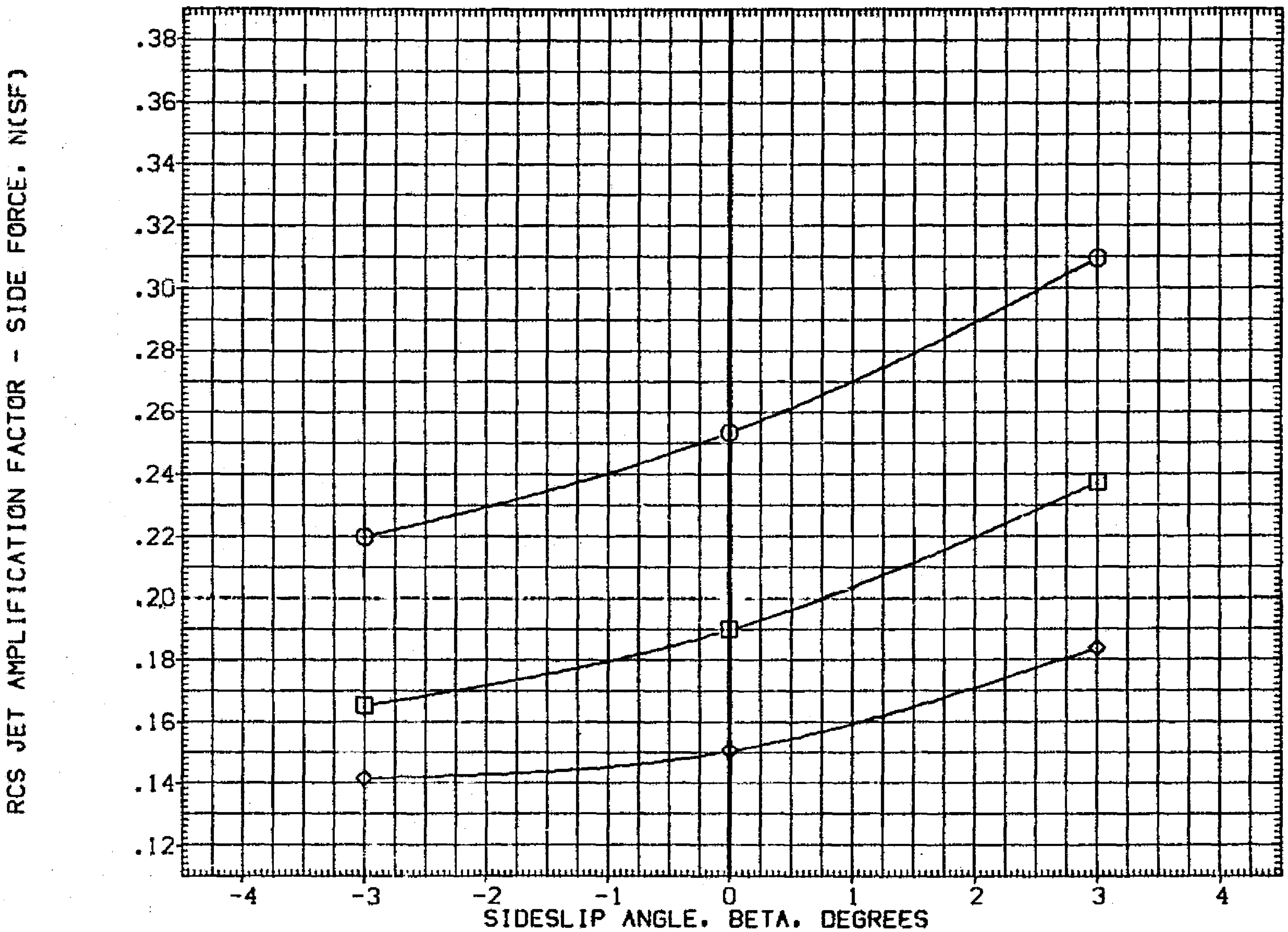


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	47[illegible].8000	INCHES
BREF	9[illegible].6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

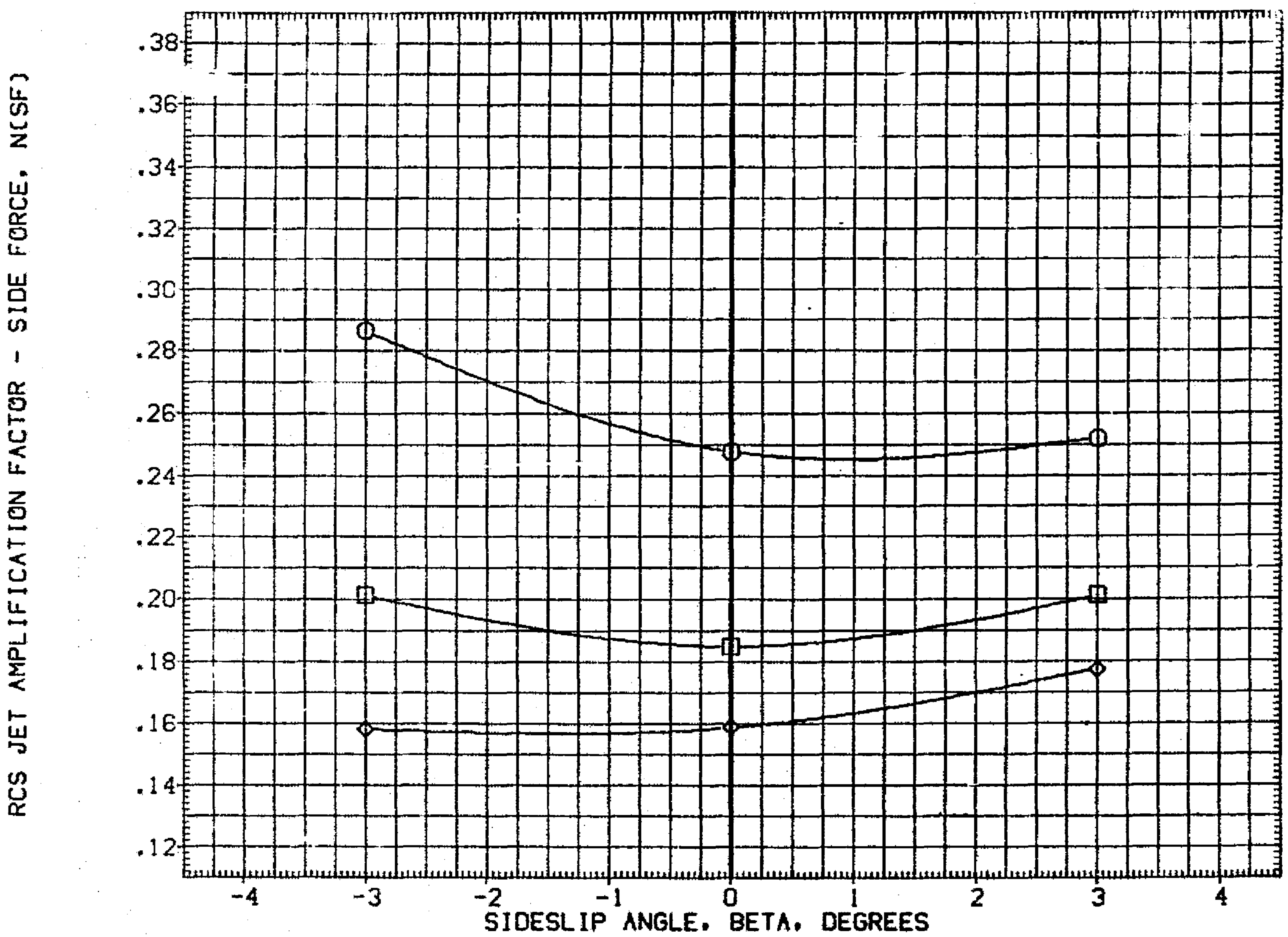


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

01N49 LARC CFHT 118 (MA-22) (CJA204)

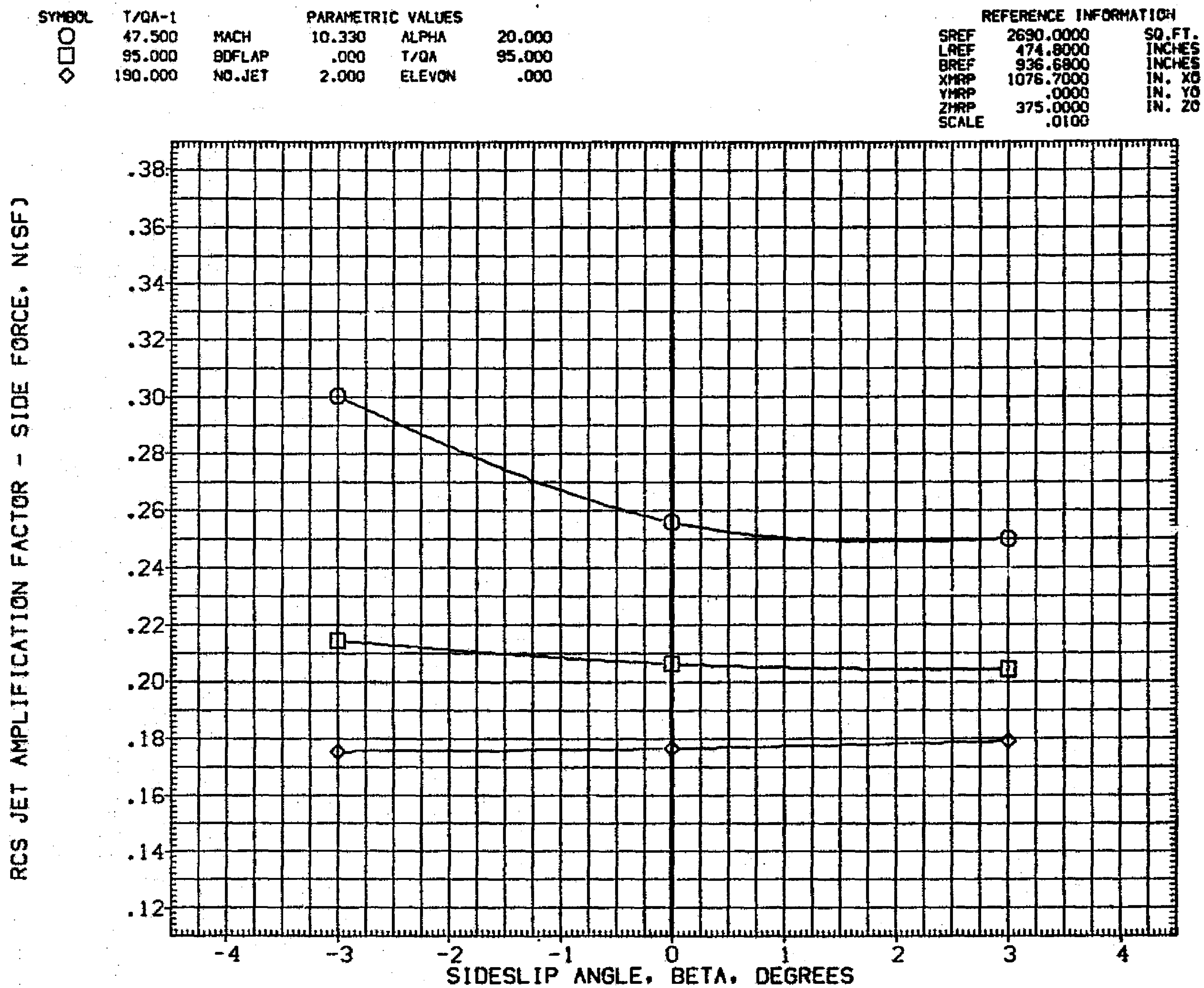


FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
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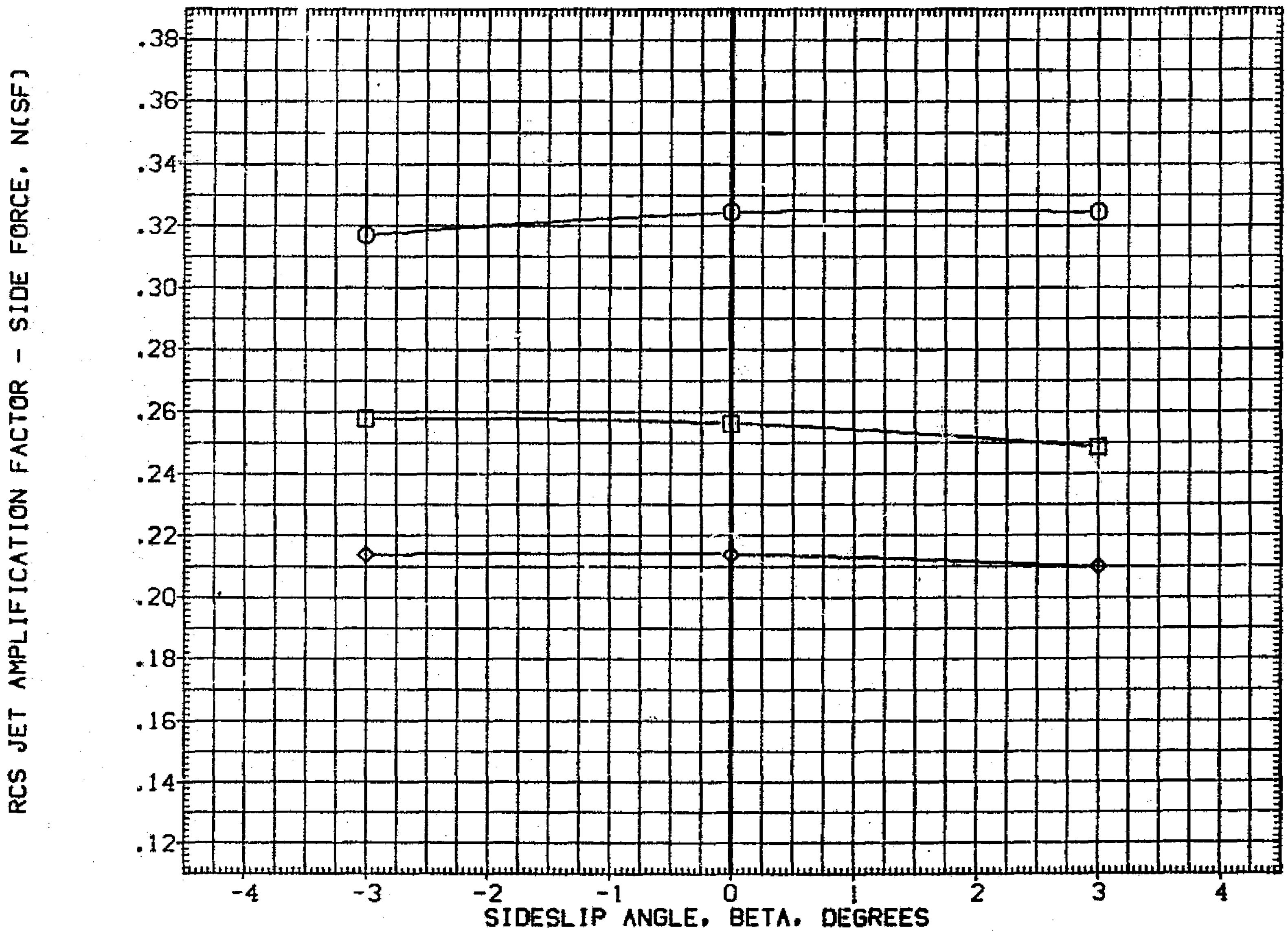

FIGURE 83. AMPLIFICATION FACTOR IN YAW, N49 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

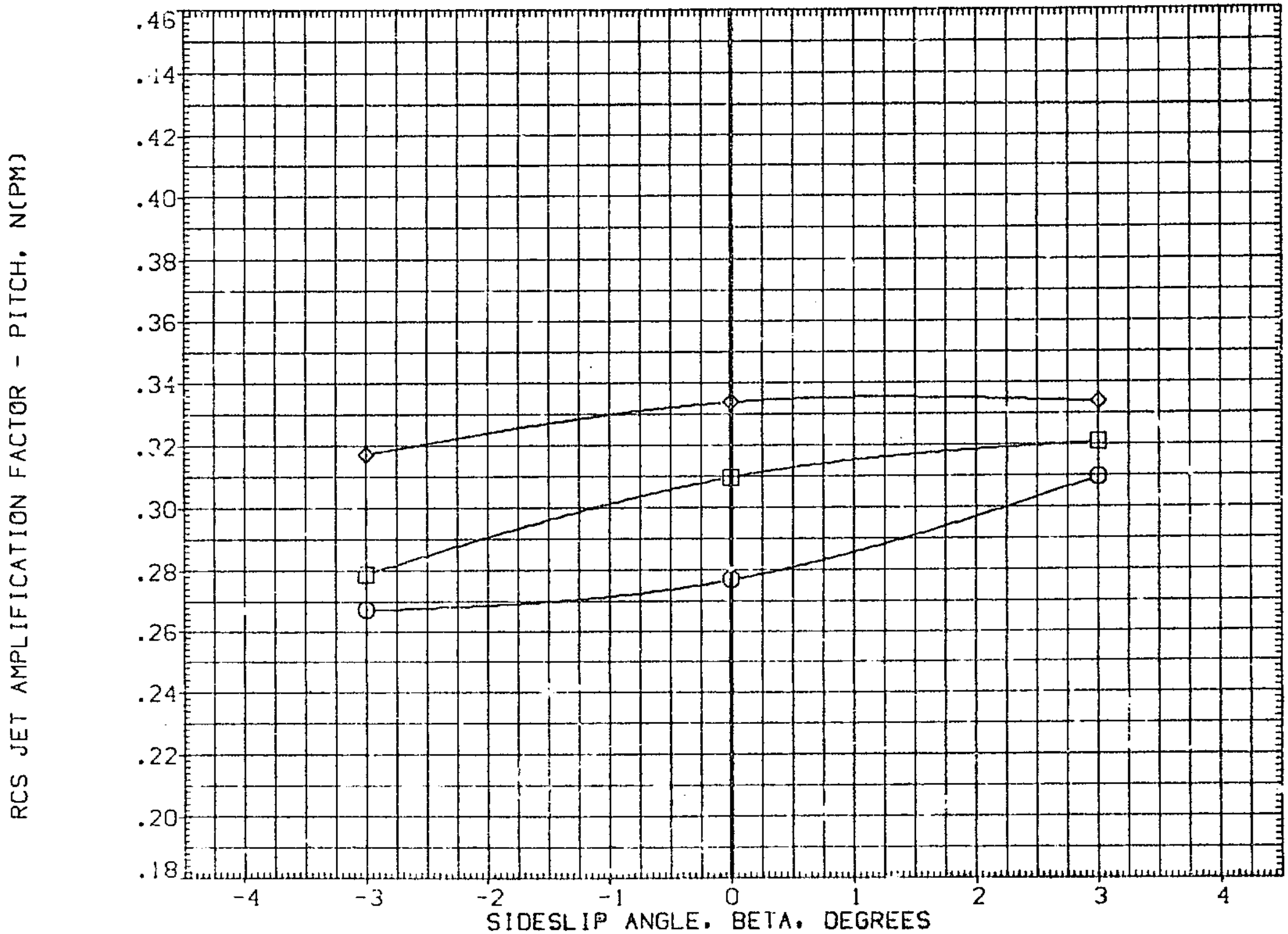

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

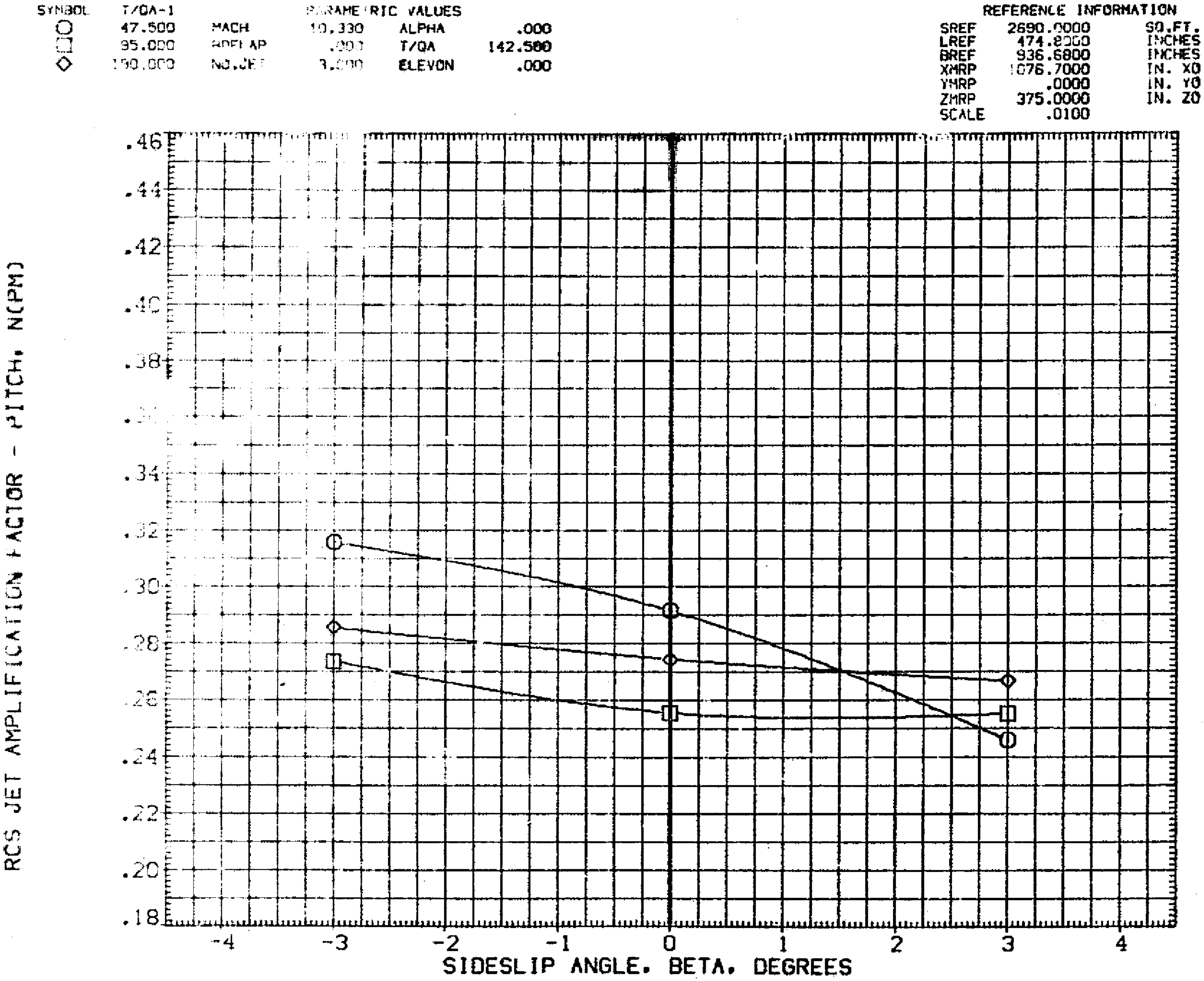

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

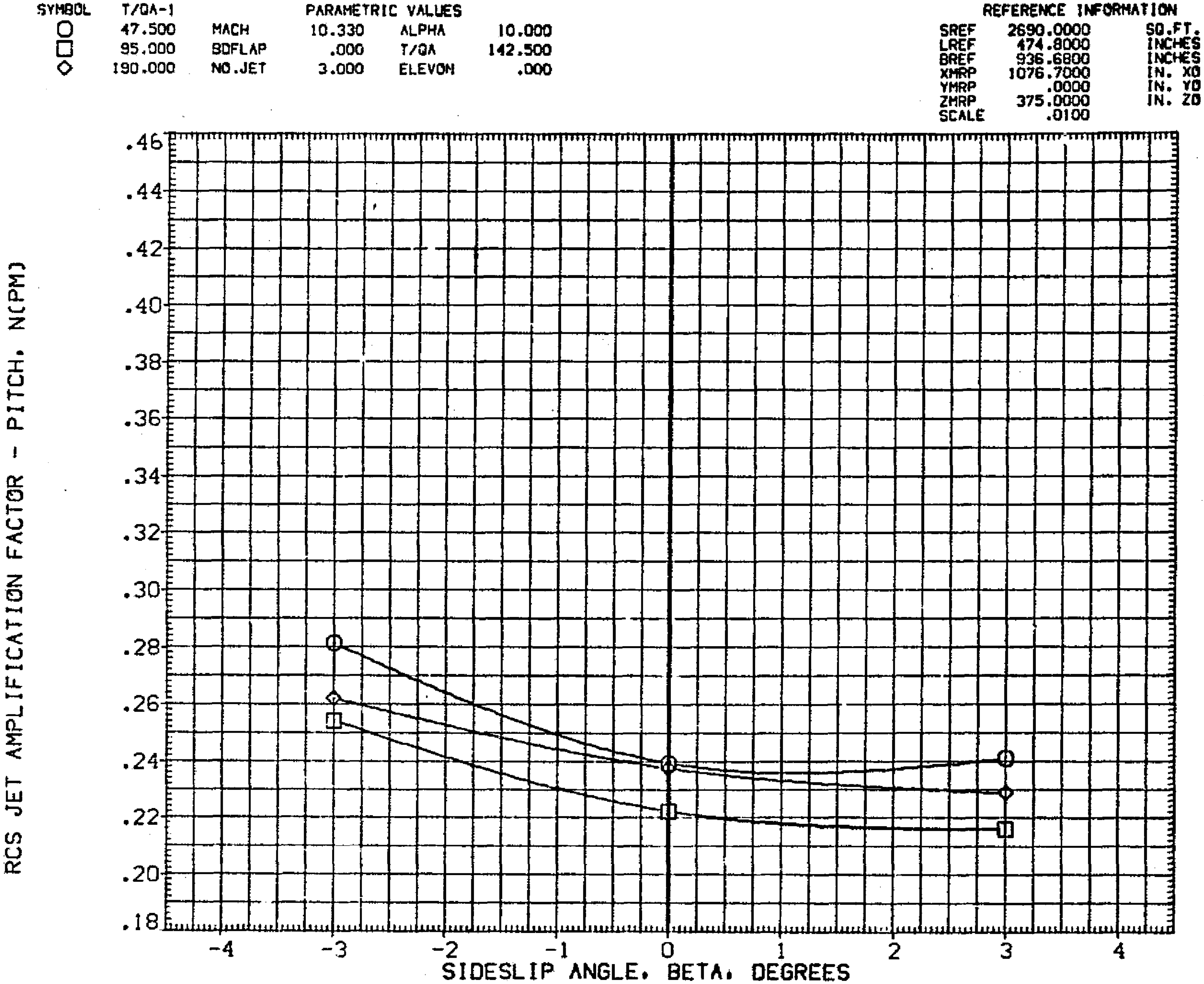

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	SDFLAP	.000	T/QA	142.500
◇	190.000	NC.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

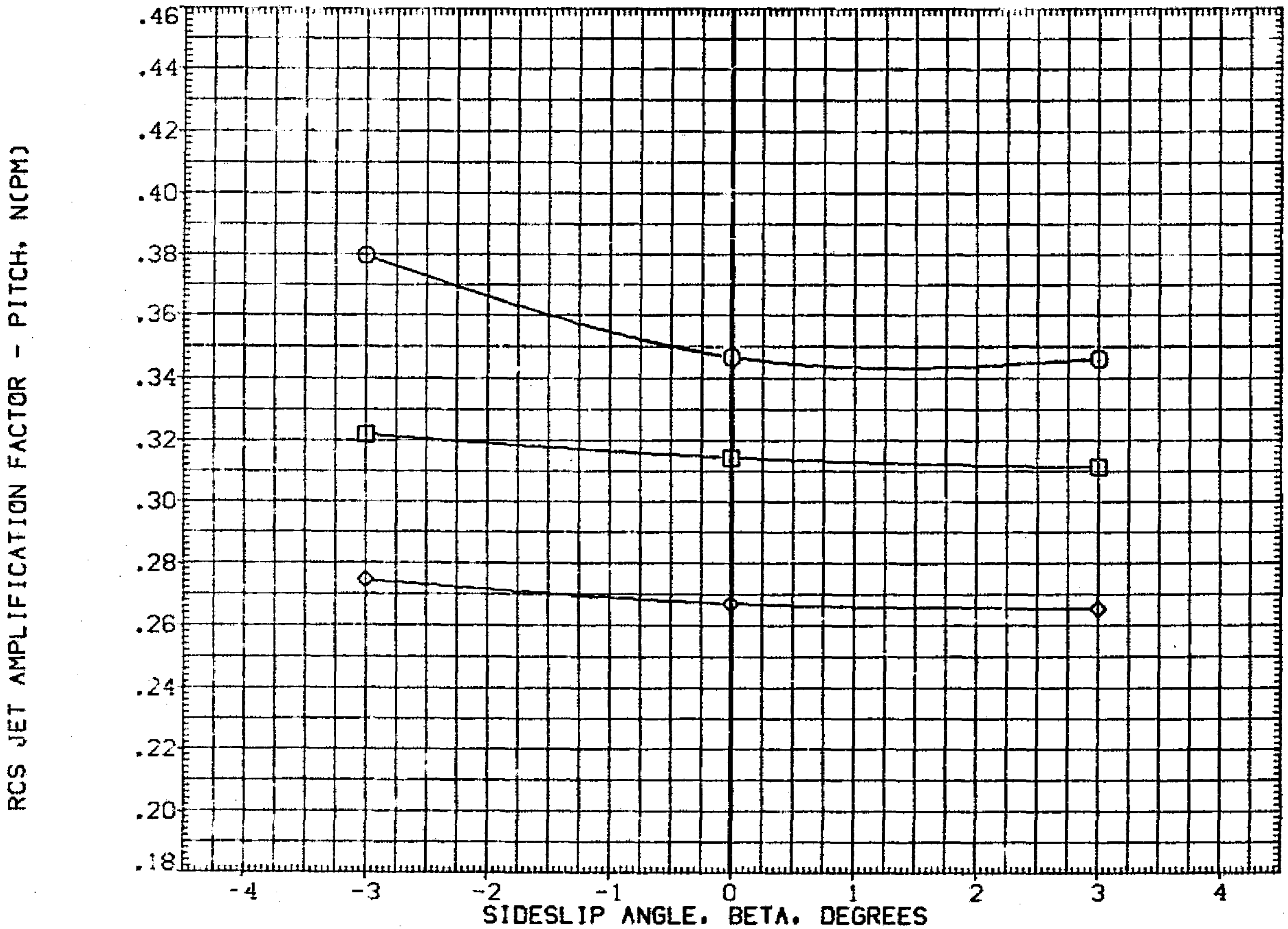

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

01N83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

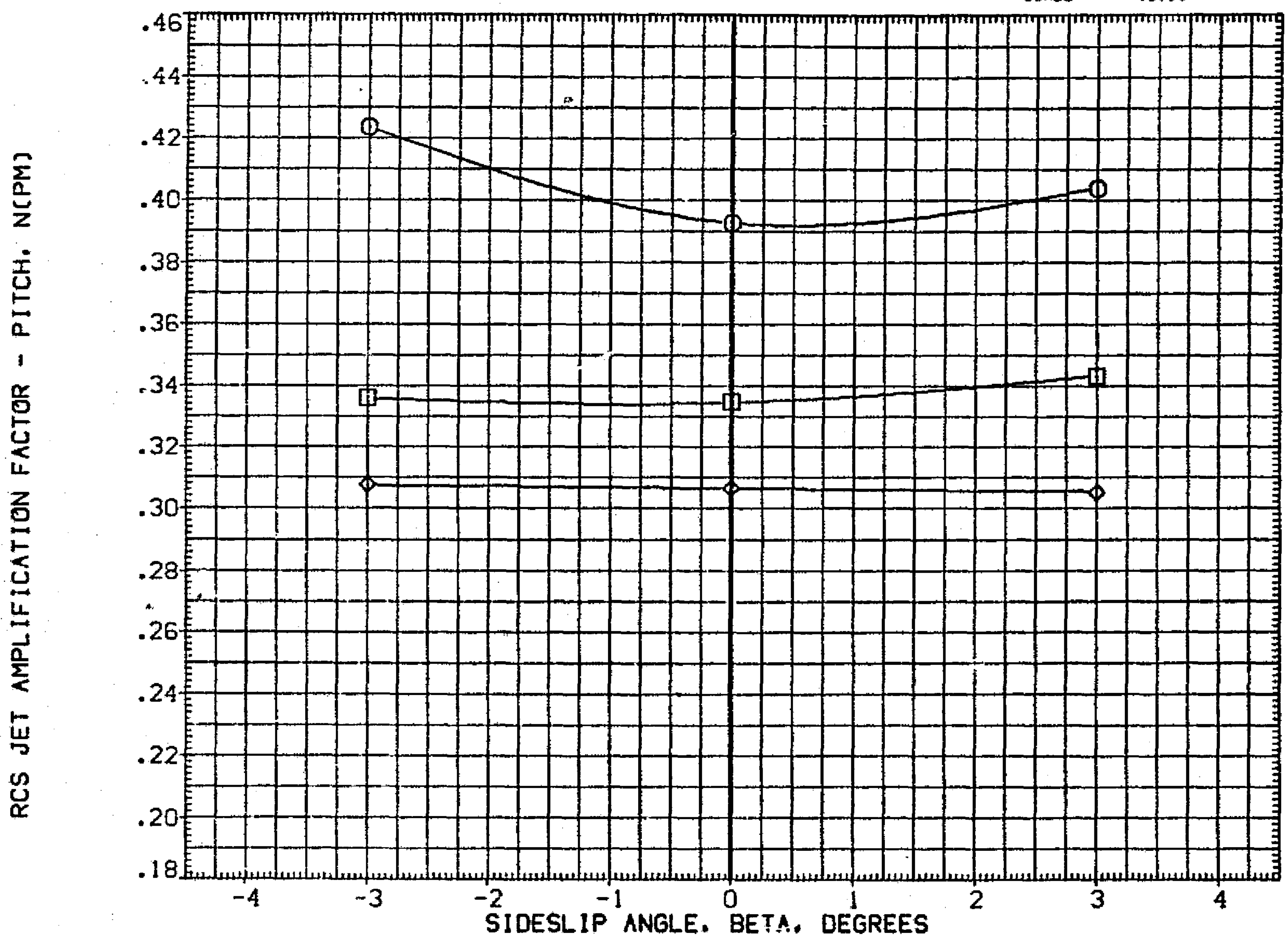

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

01N83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/OA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

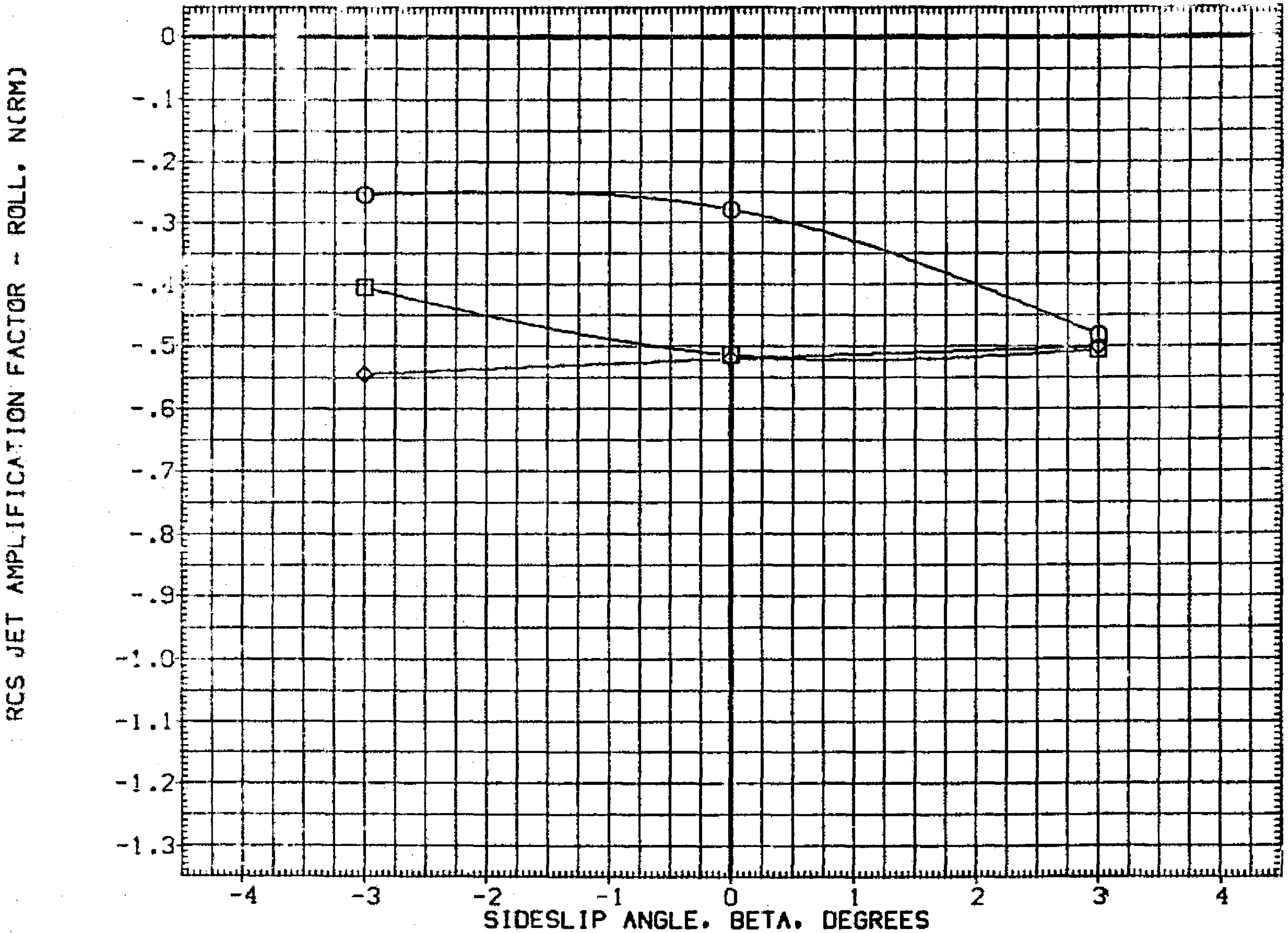

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

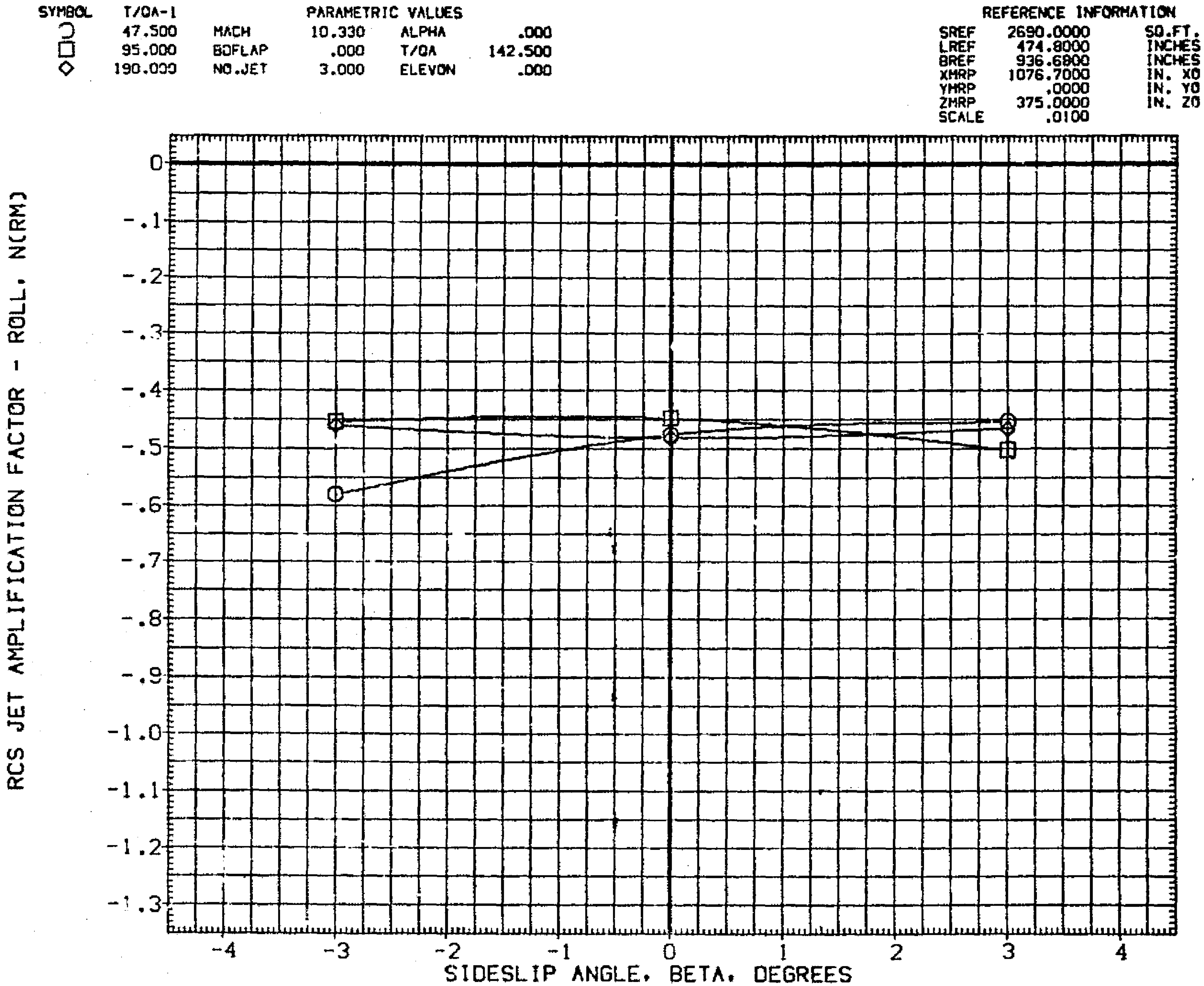

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

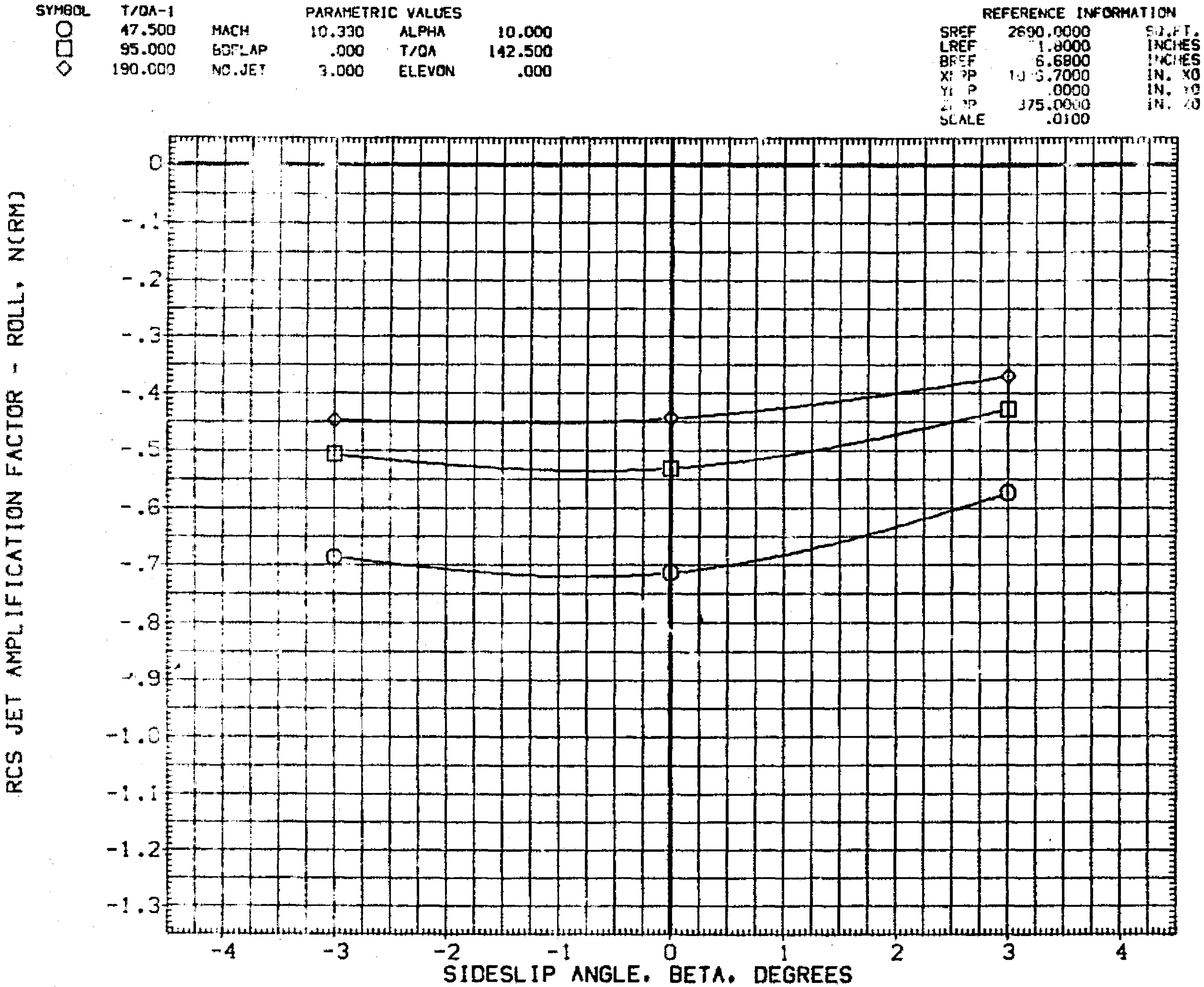

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

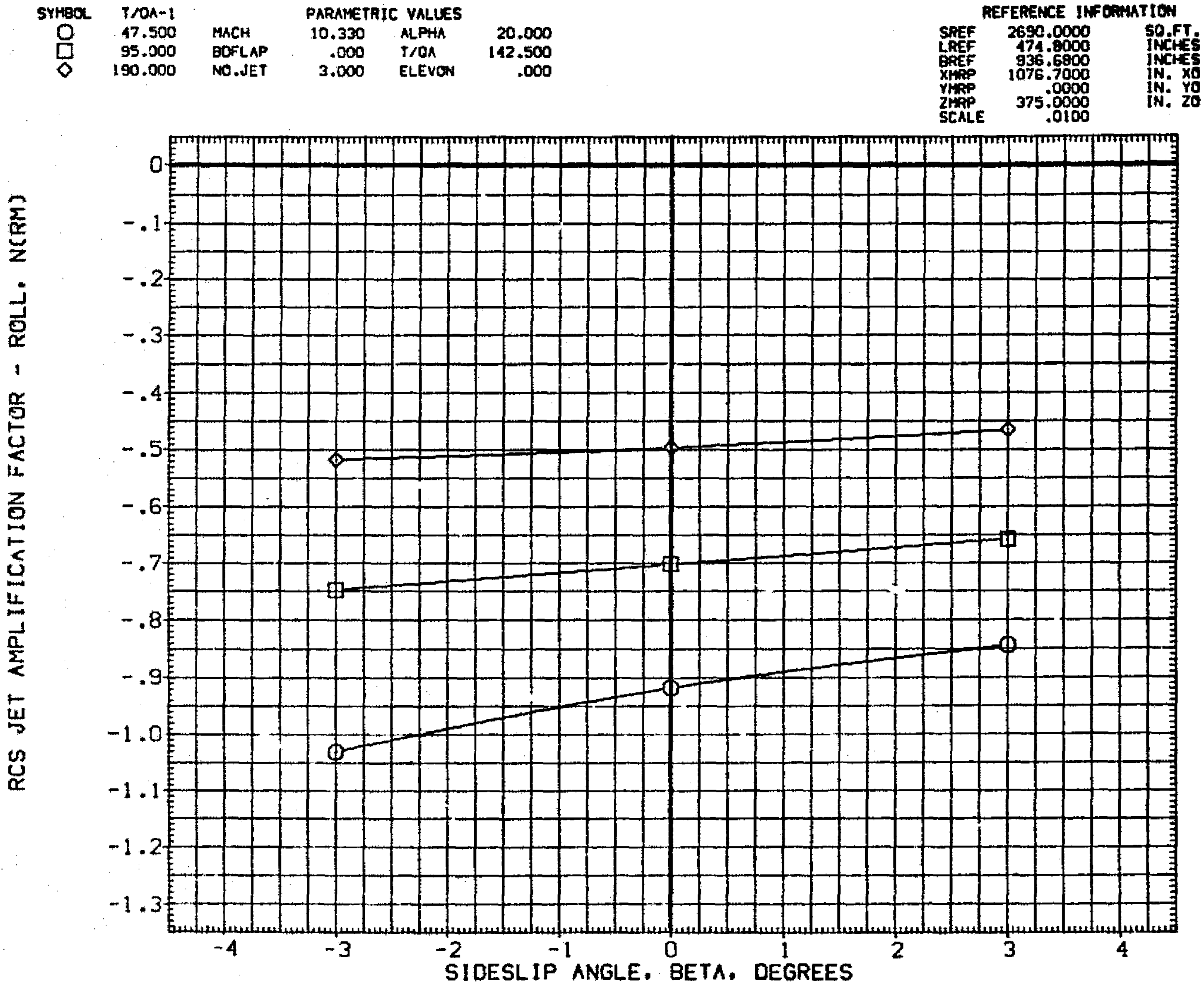

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/OA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

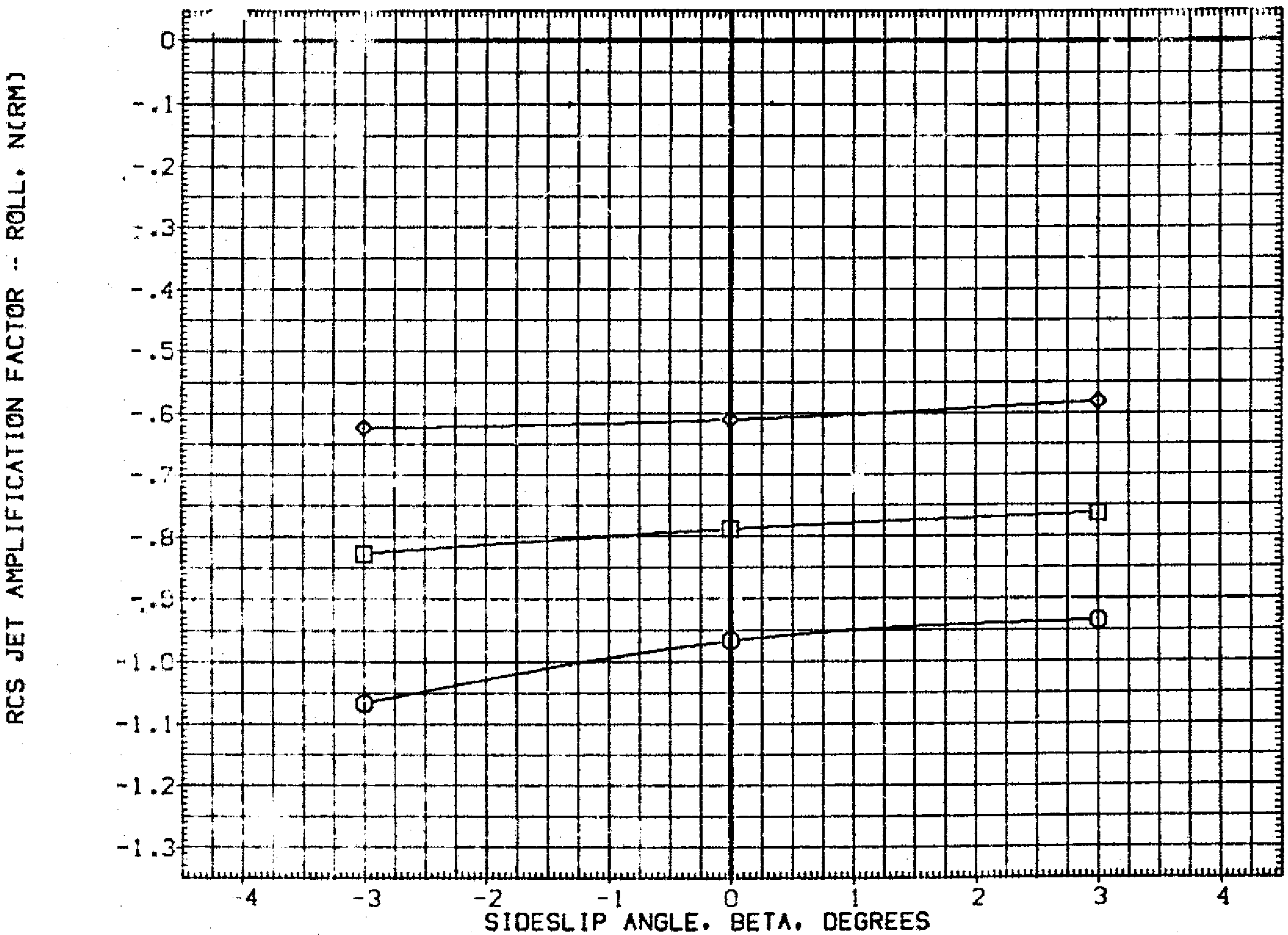

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

SYMBOL	T/QA-I		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

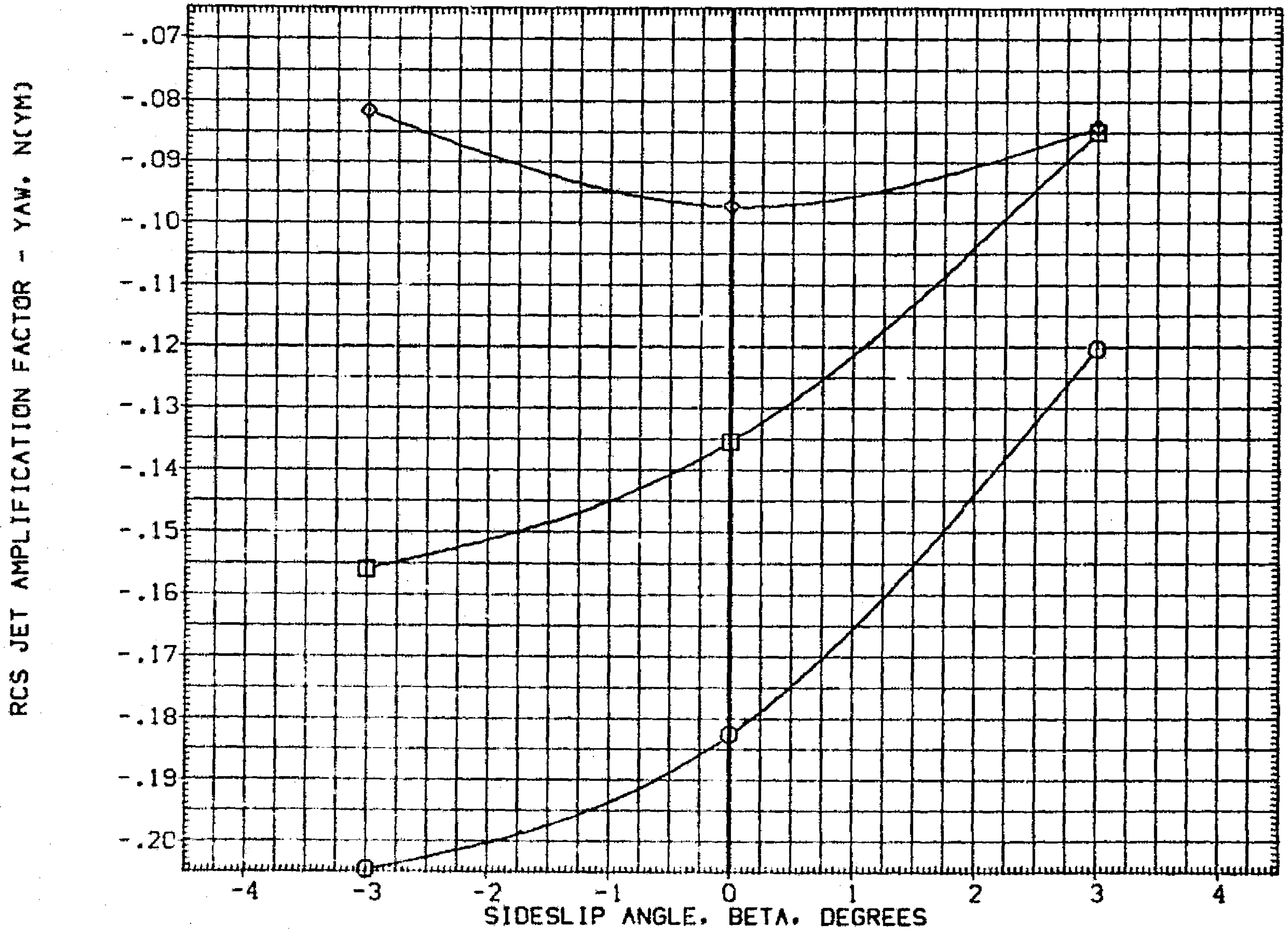

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

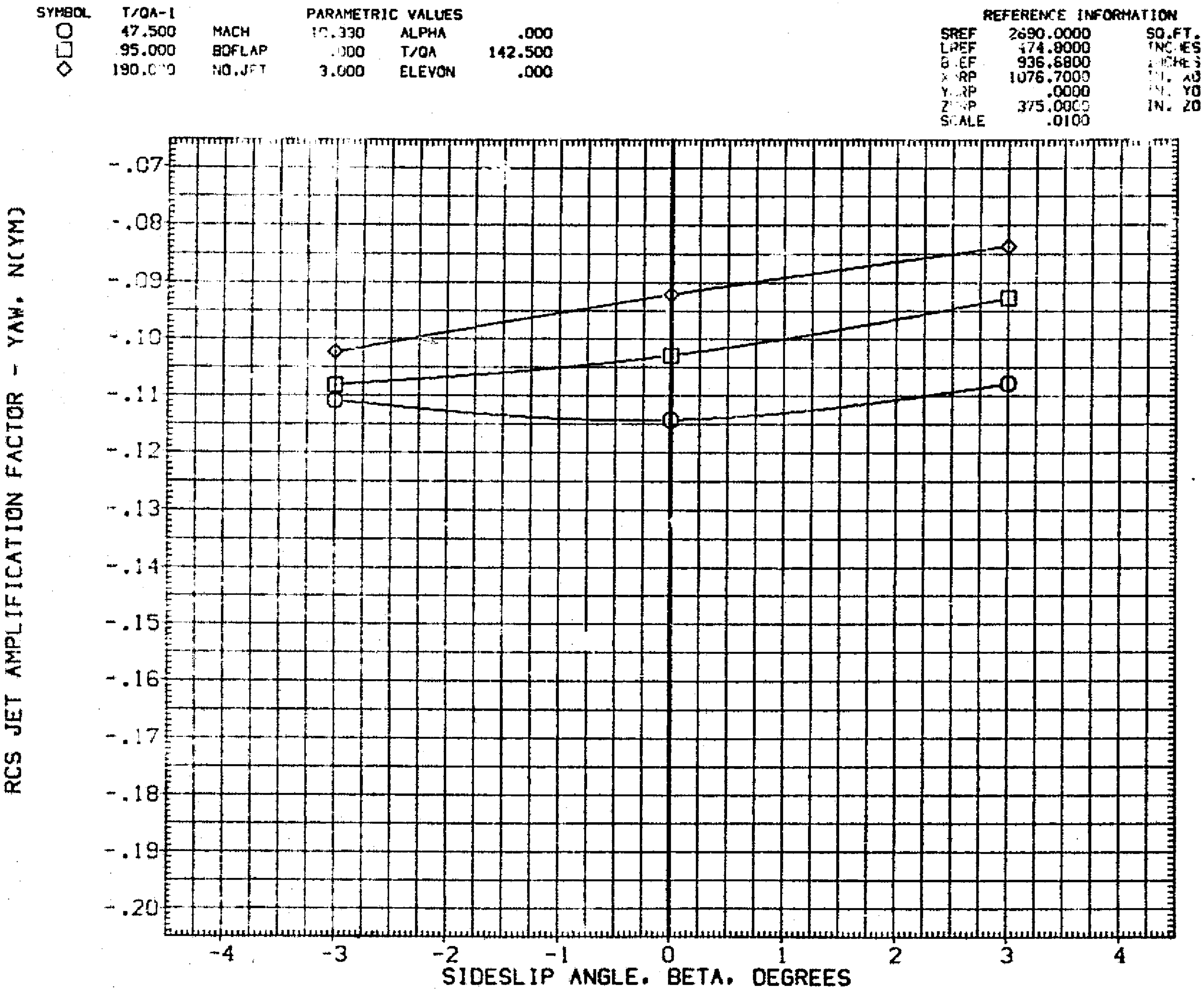

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

01N83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

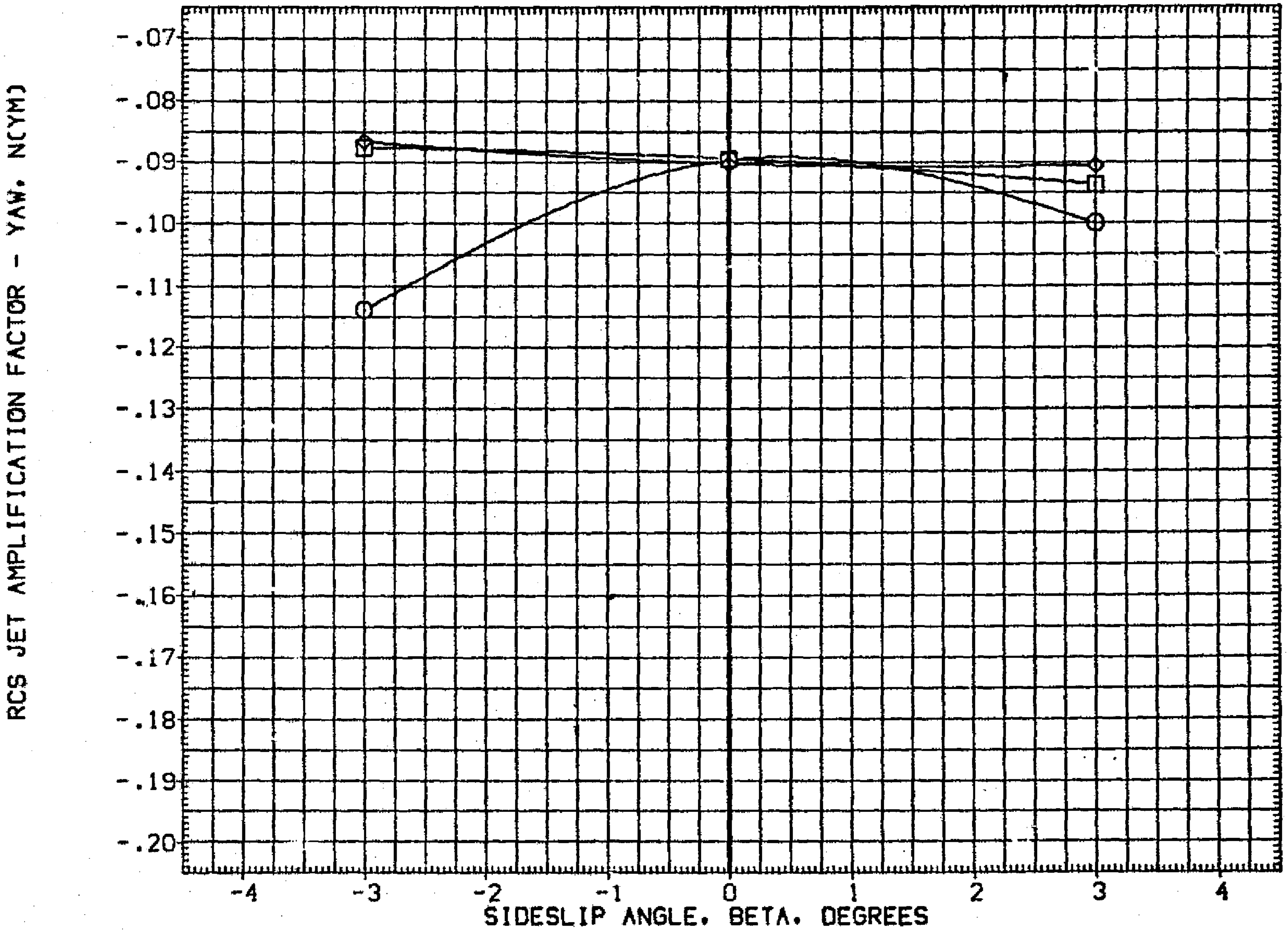

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

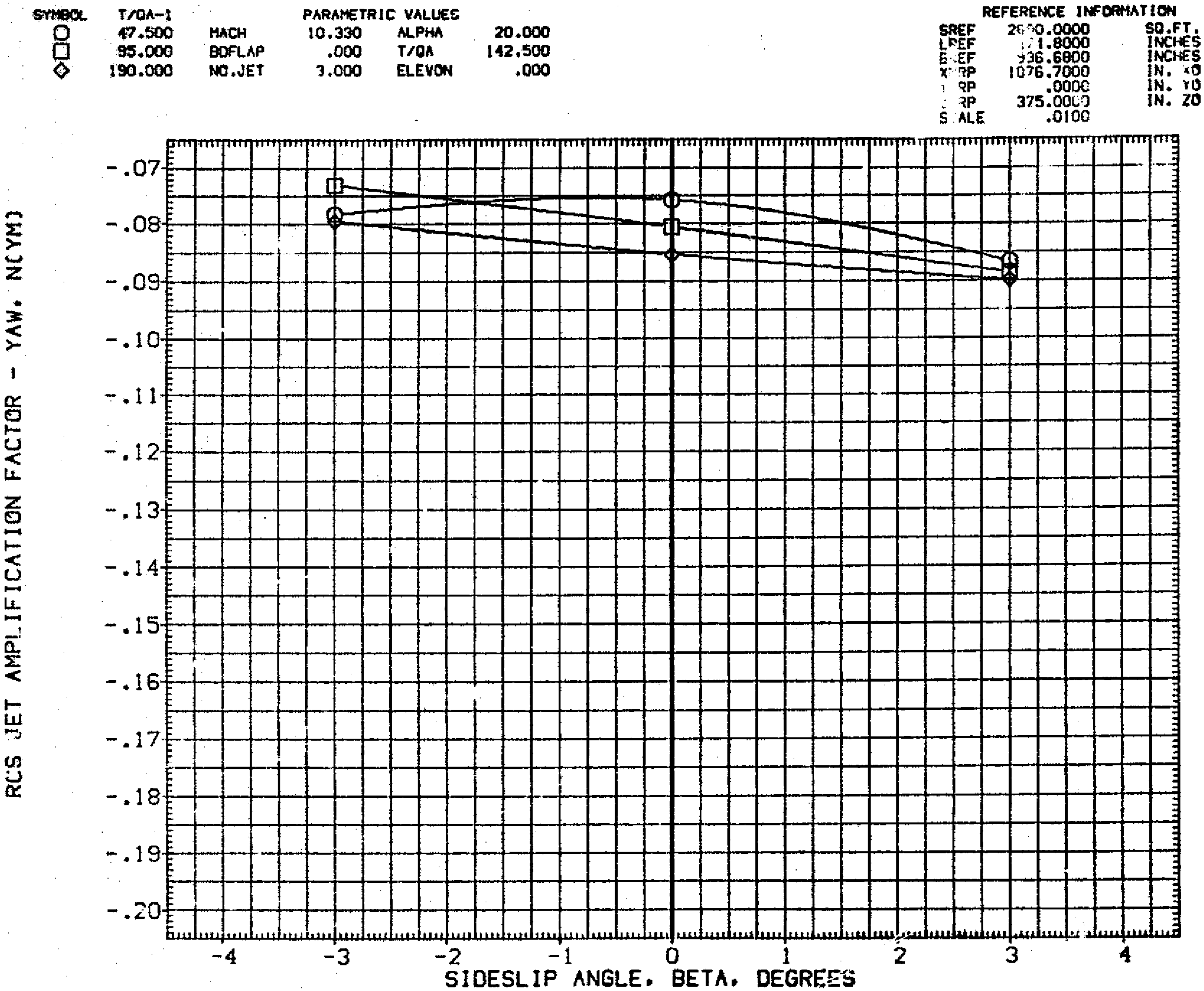

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

01N83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

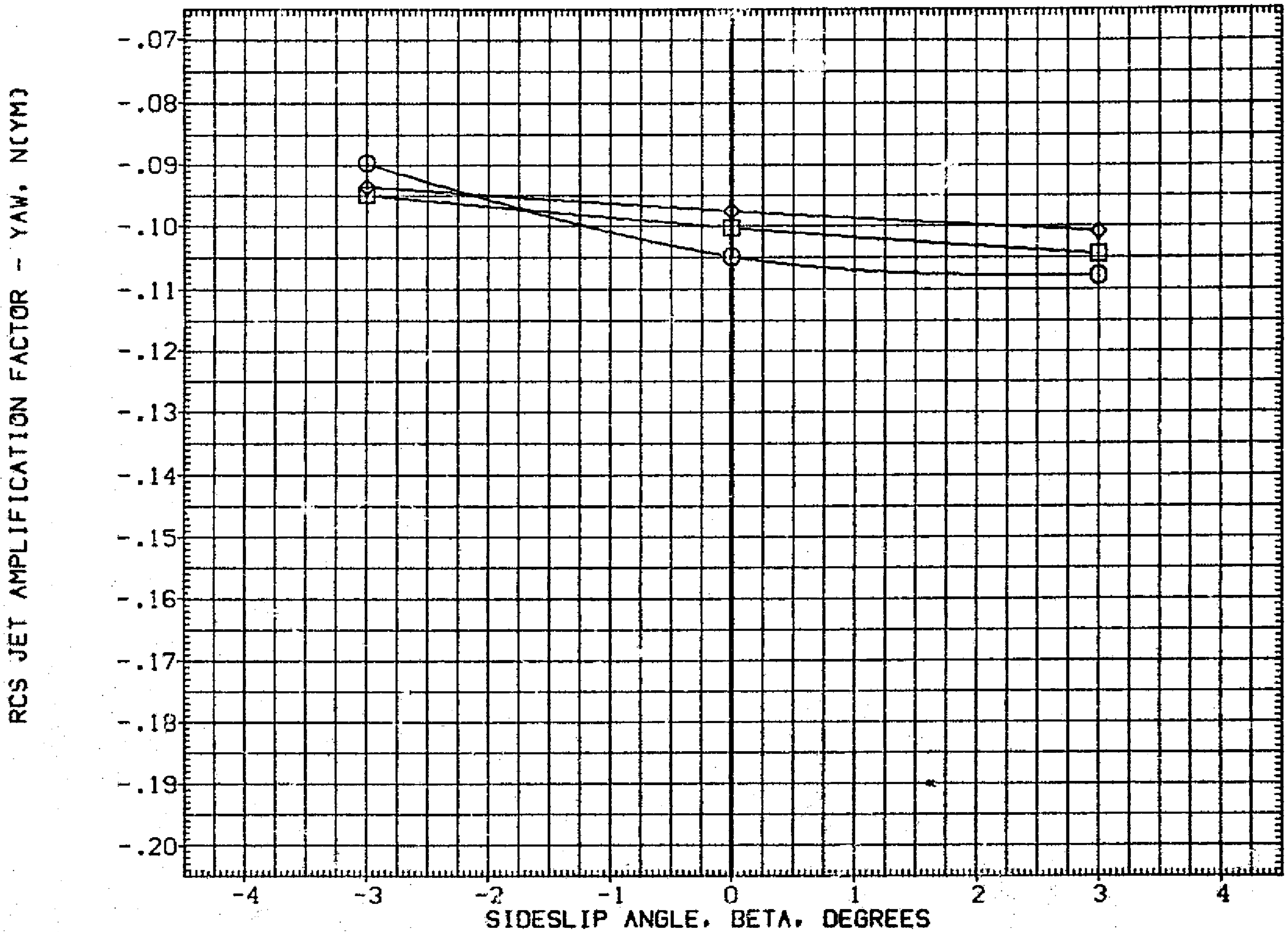

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

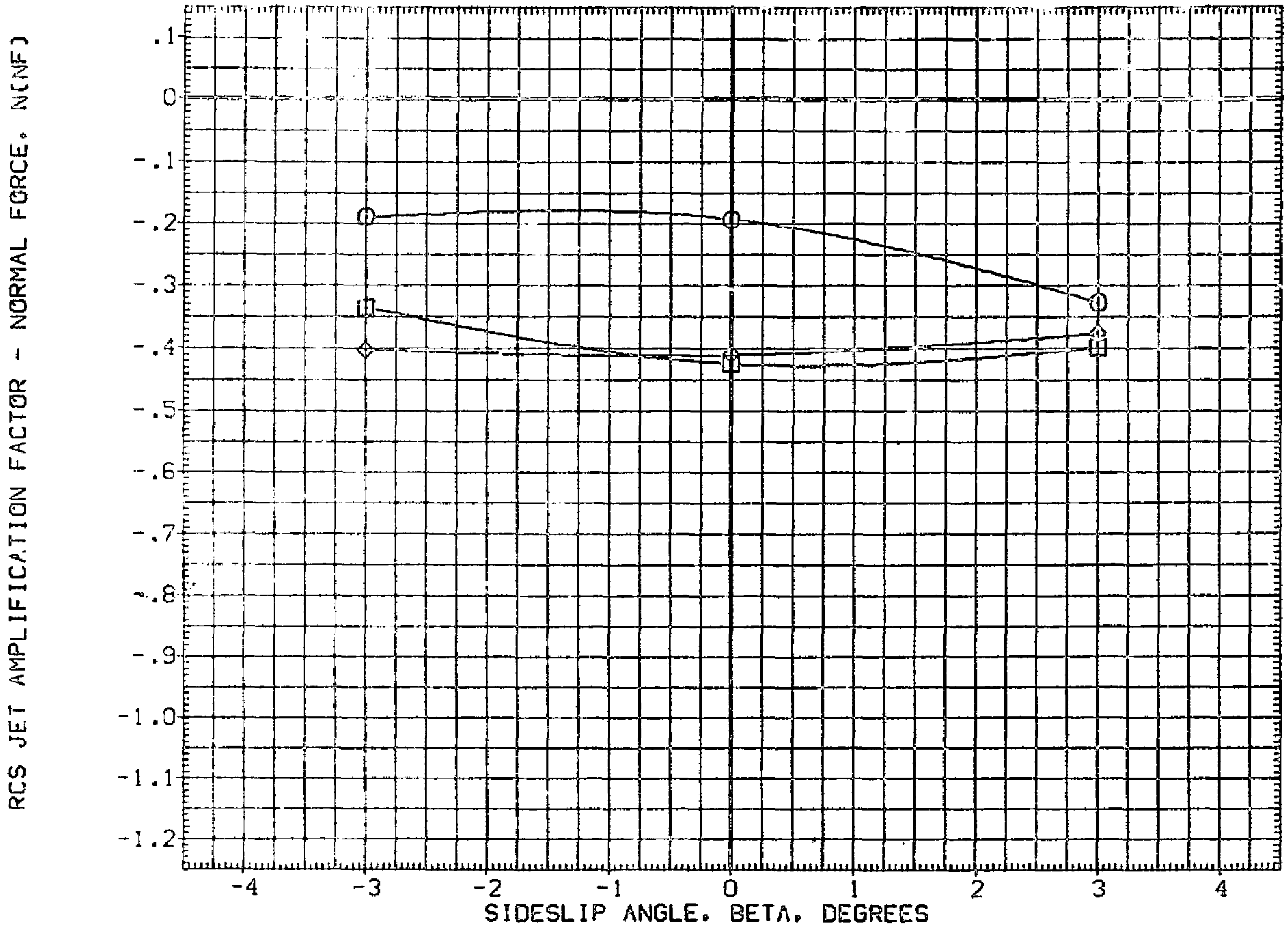

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

01N83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

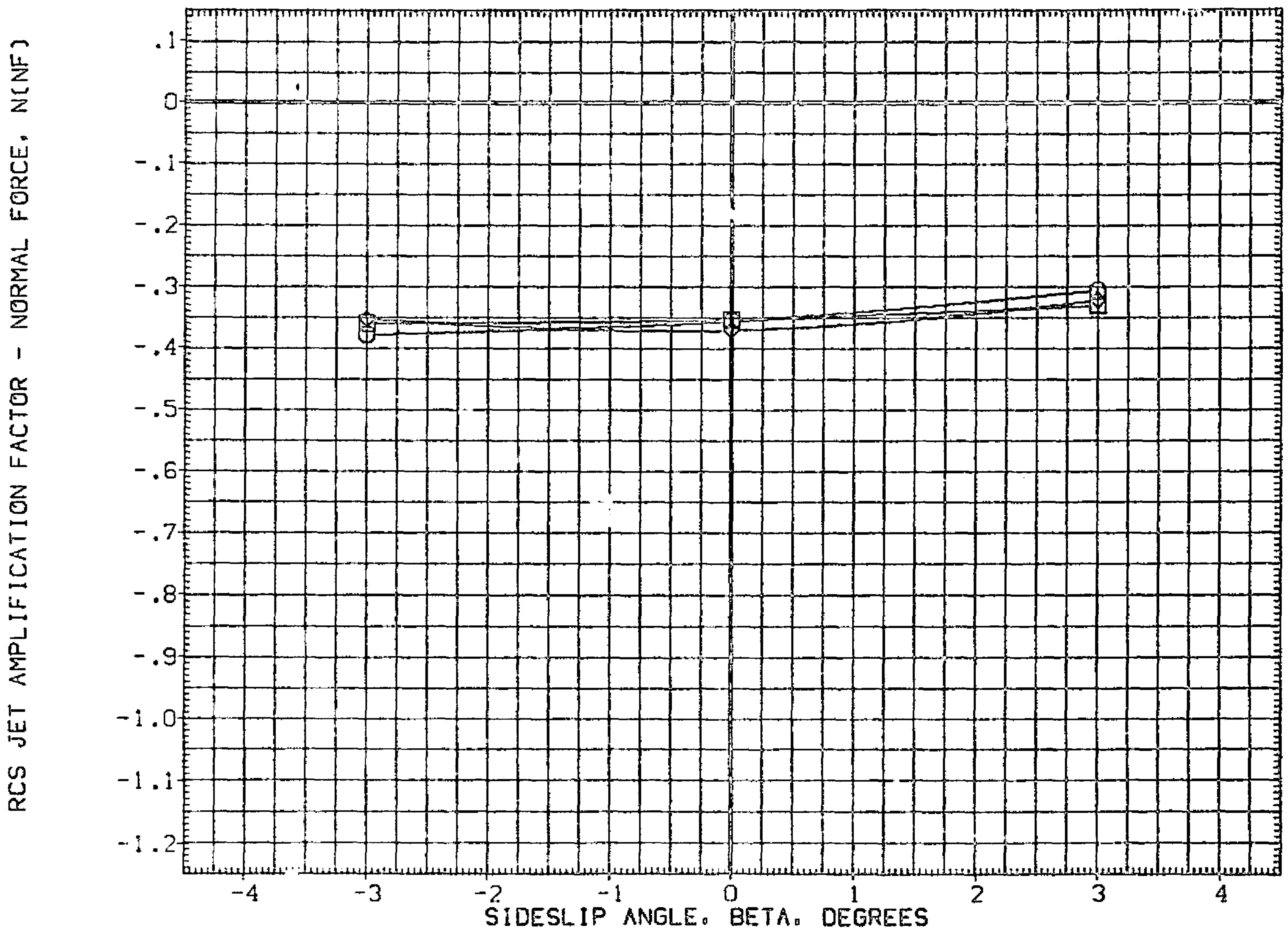

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N03 JETS

01N83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
O	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6000	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

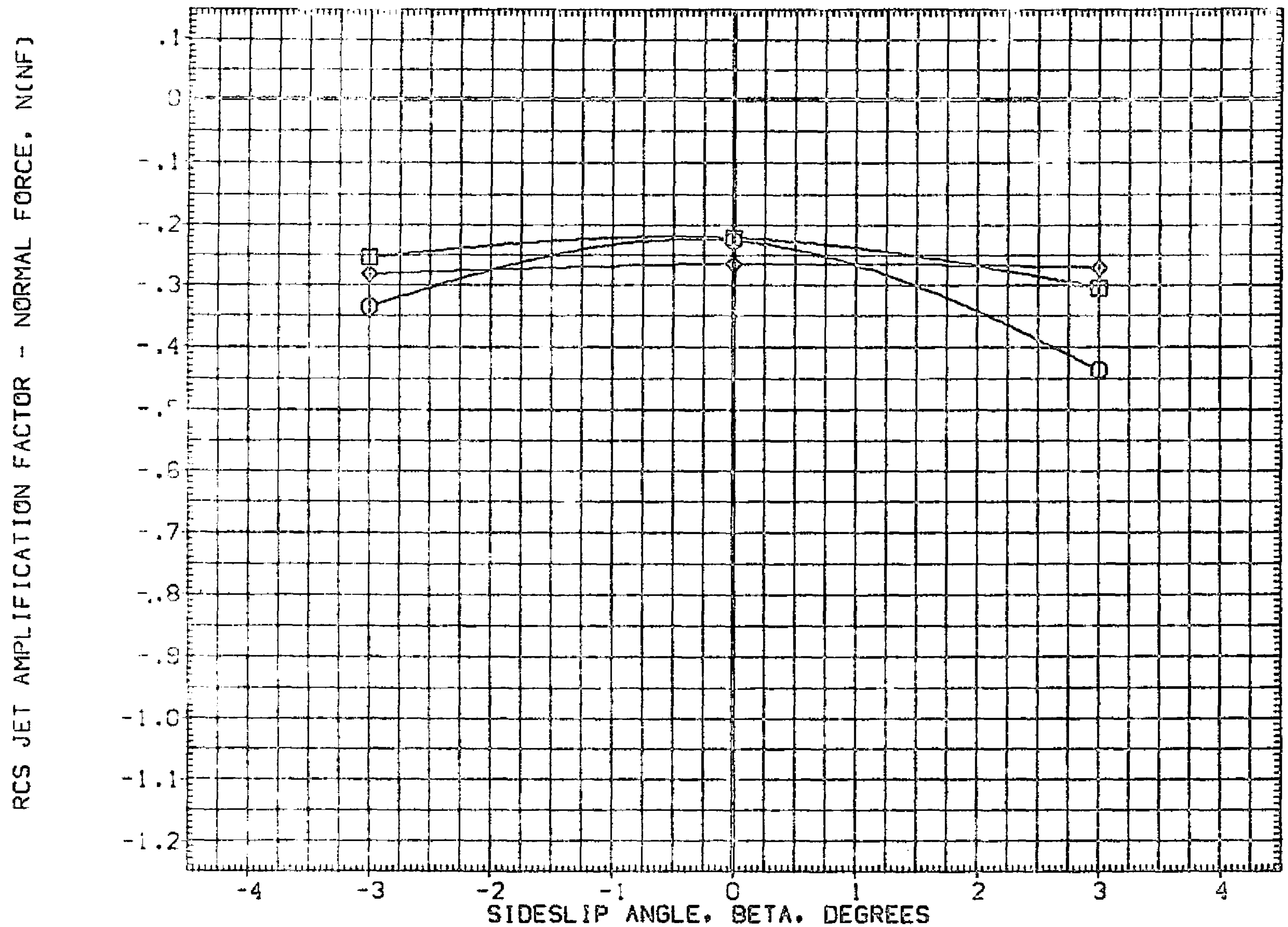

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

01N83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/OA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

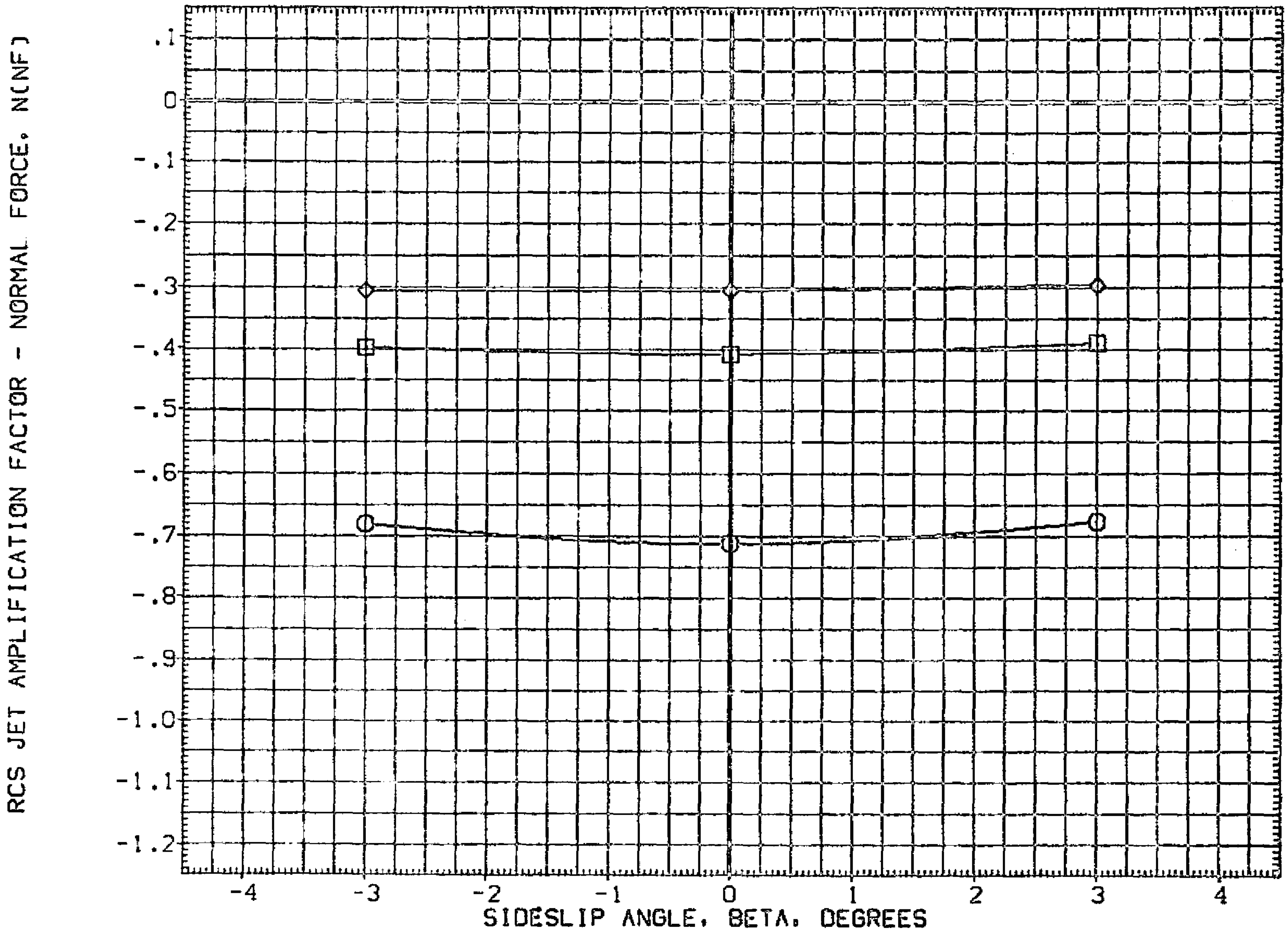

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATI

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

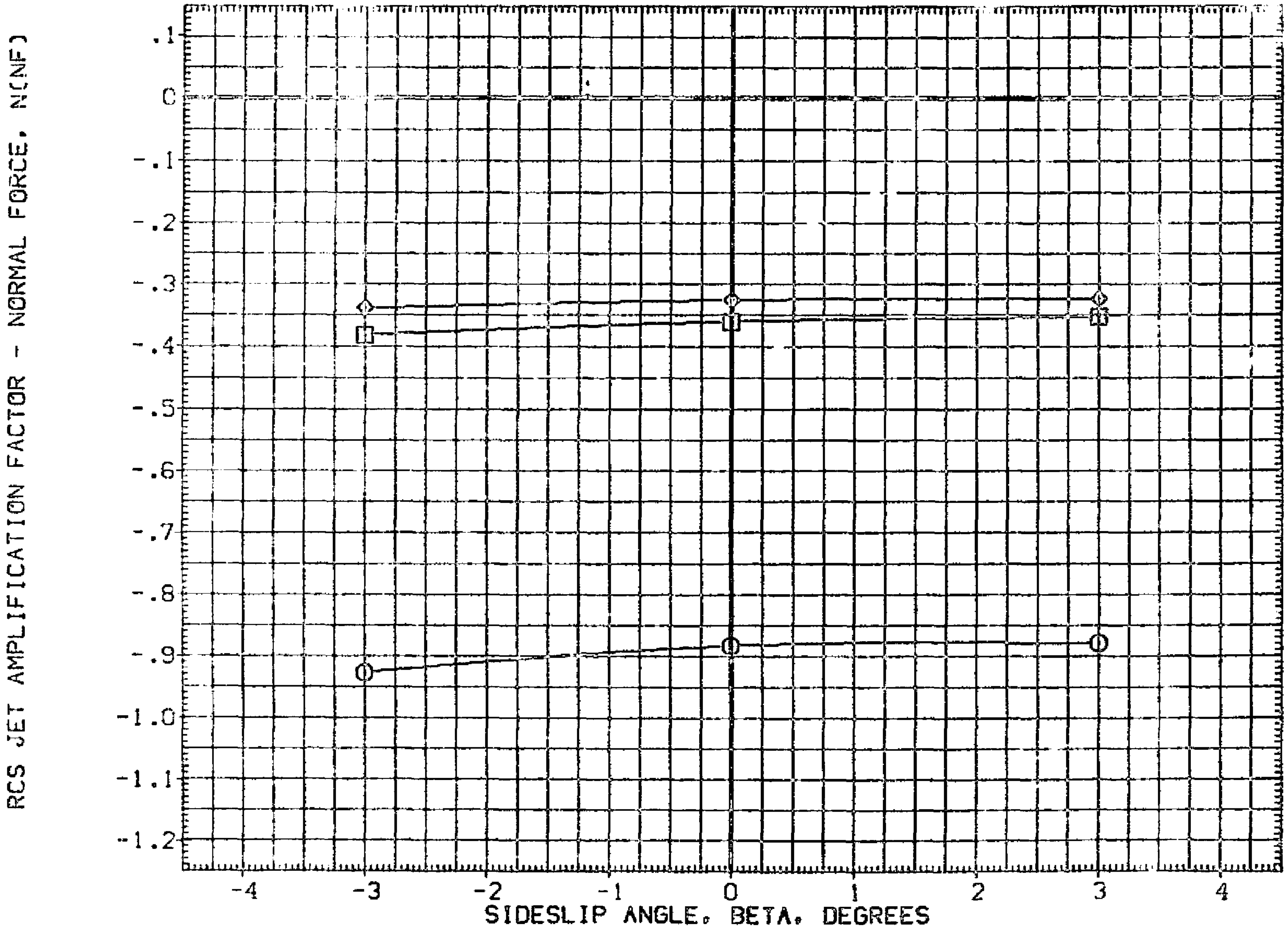

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

01N83   LARC CFHT 118 (MA-22)   (CJA213)

SYMBOL	T/QA-I		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

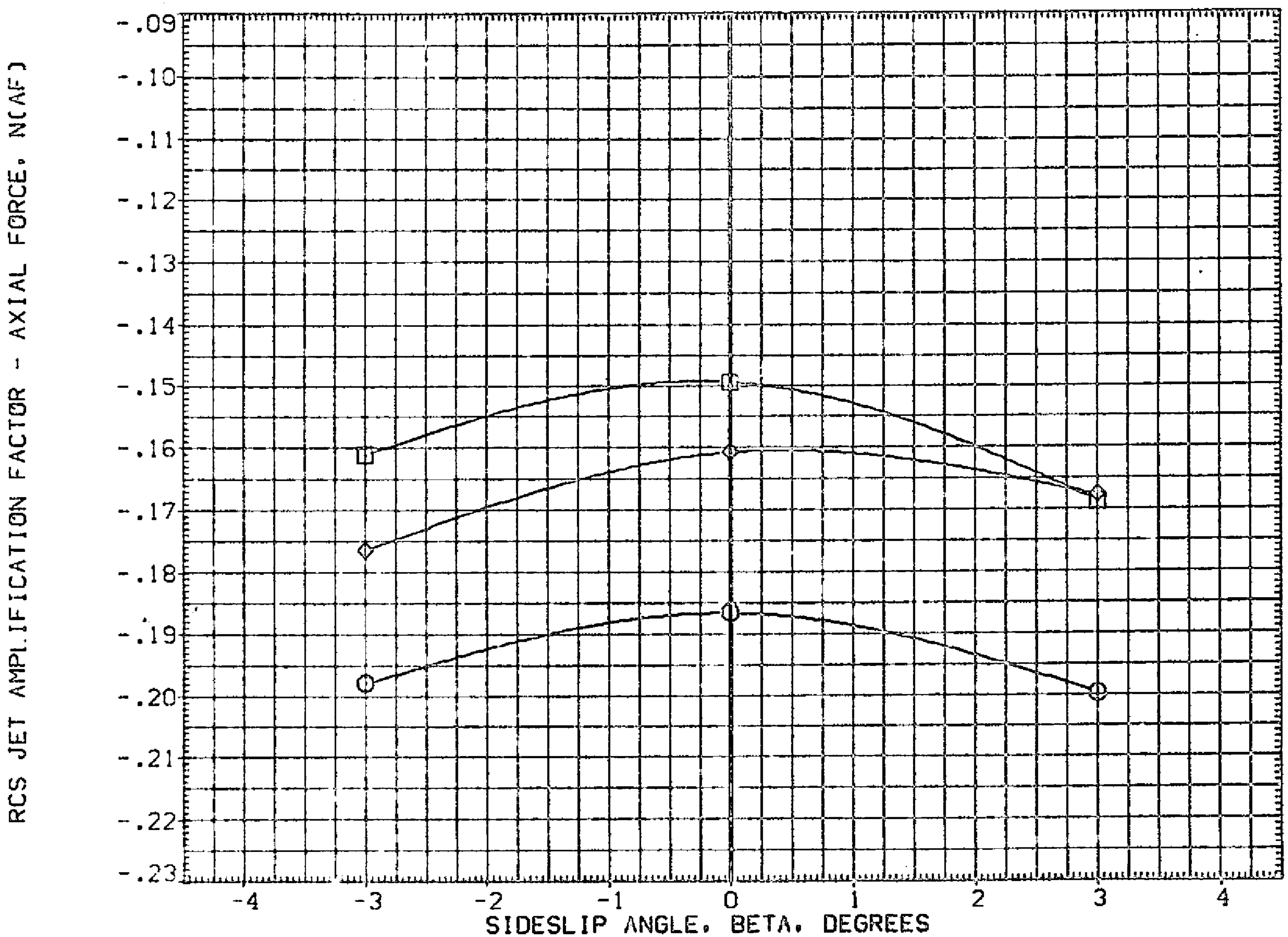

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

G1N83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

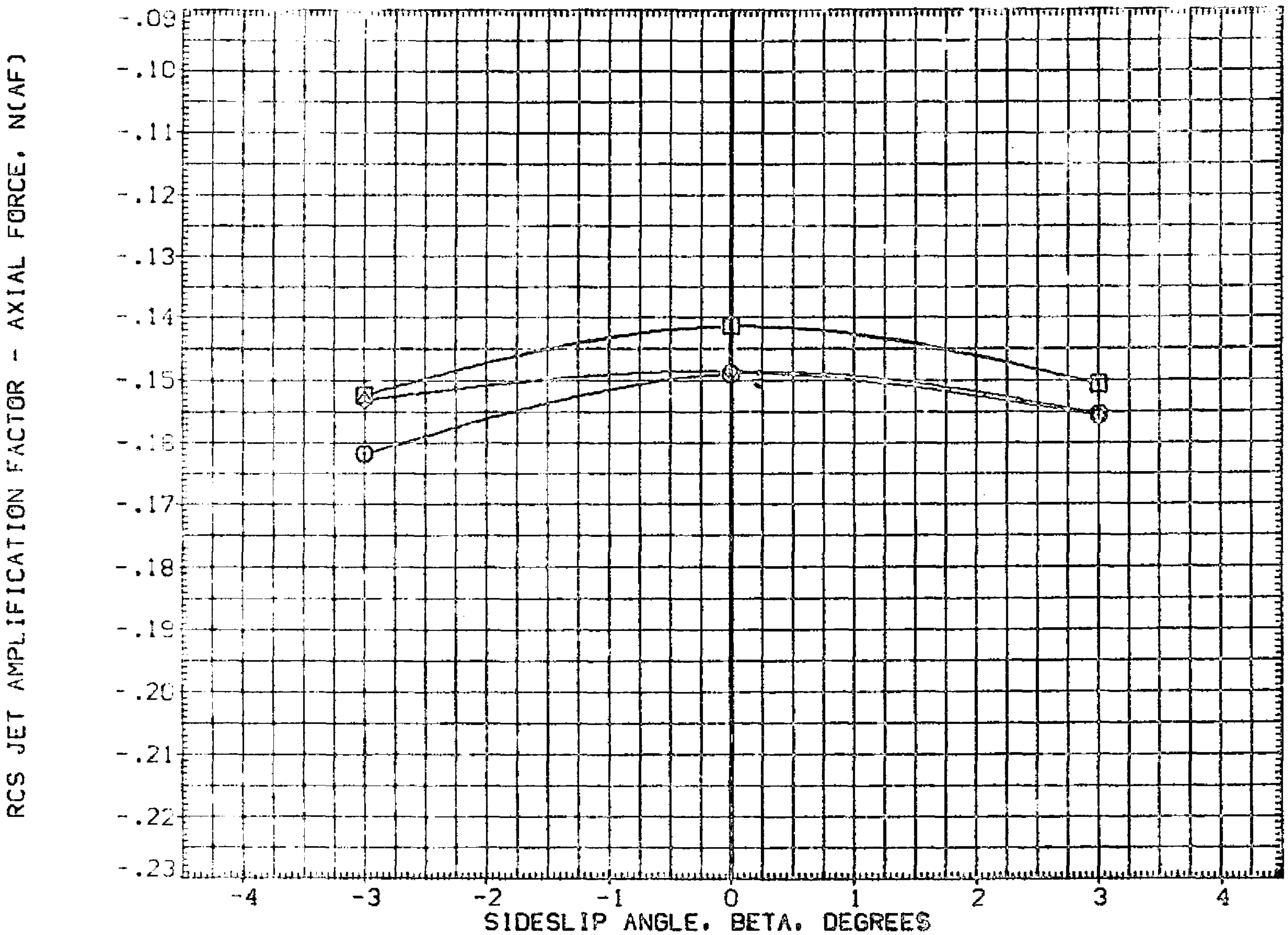

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

0IN83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/OA	142.500
◇	190.000	N0.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

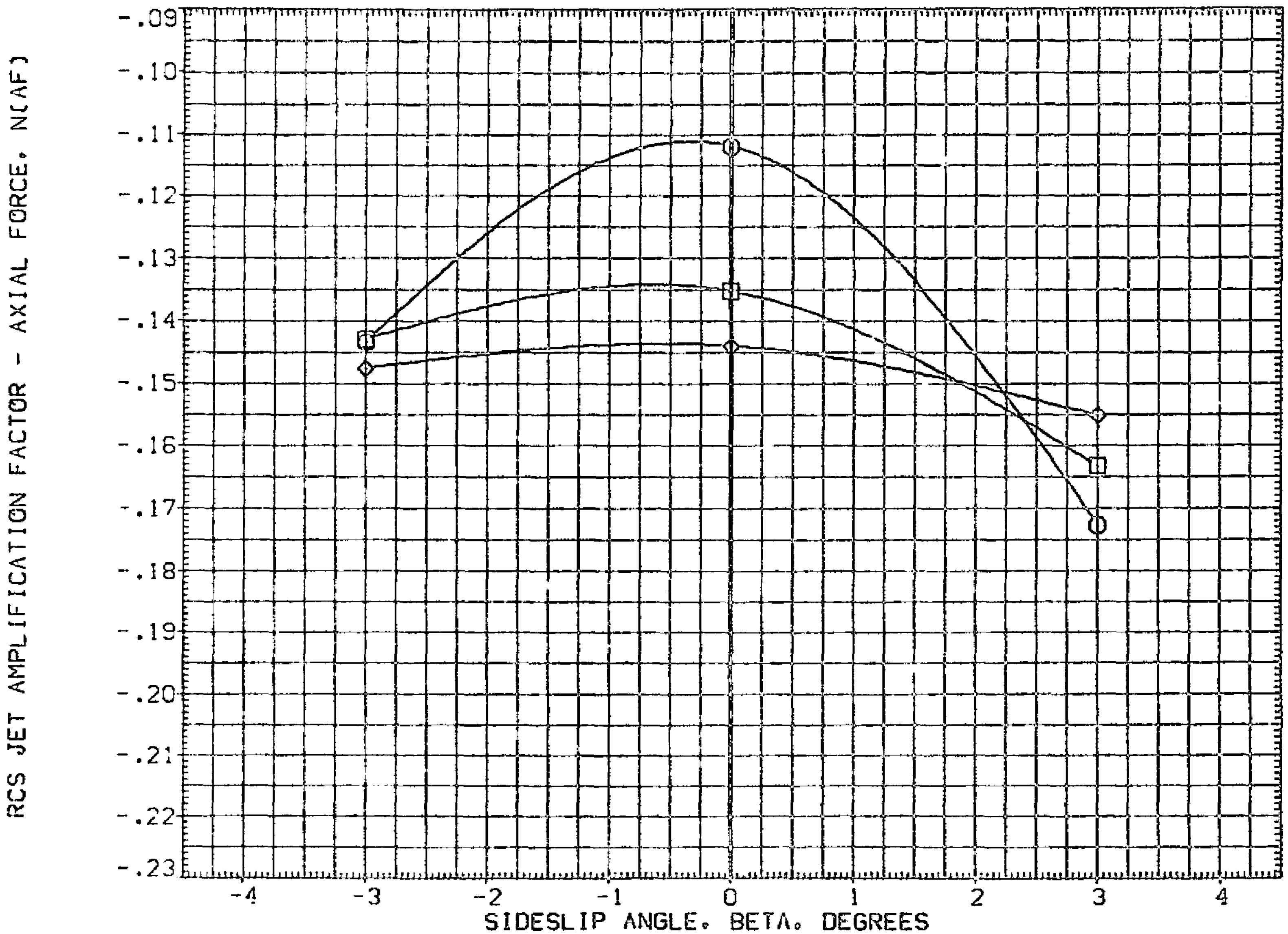

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

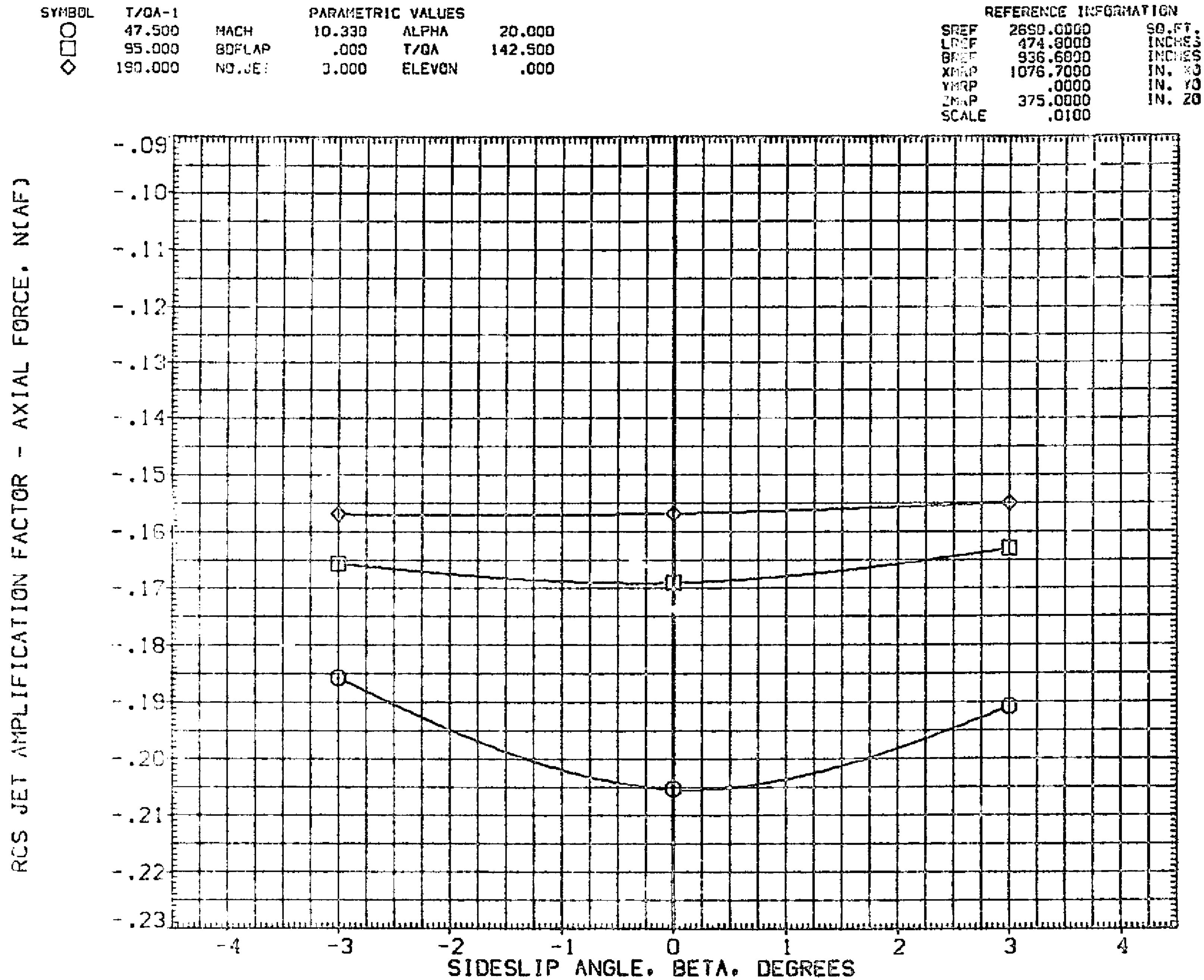

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

SYMBOL	T/QA-1
○	47.500
□	95.000
◇	190.000

PARAMETRIC VALUES

MACH	10.330	ALPHA	35.000
BDFLAP	.000	T/QA	142.500
NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

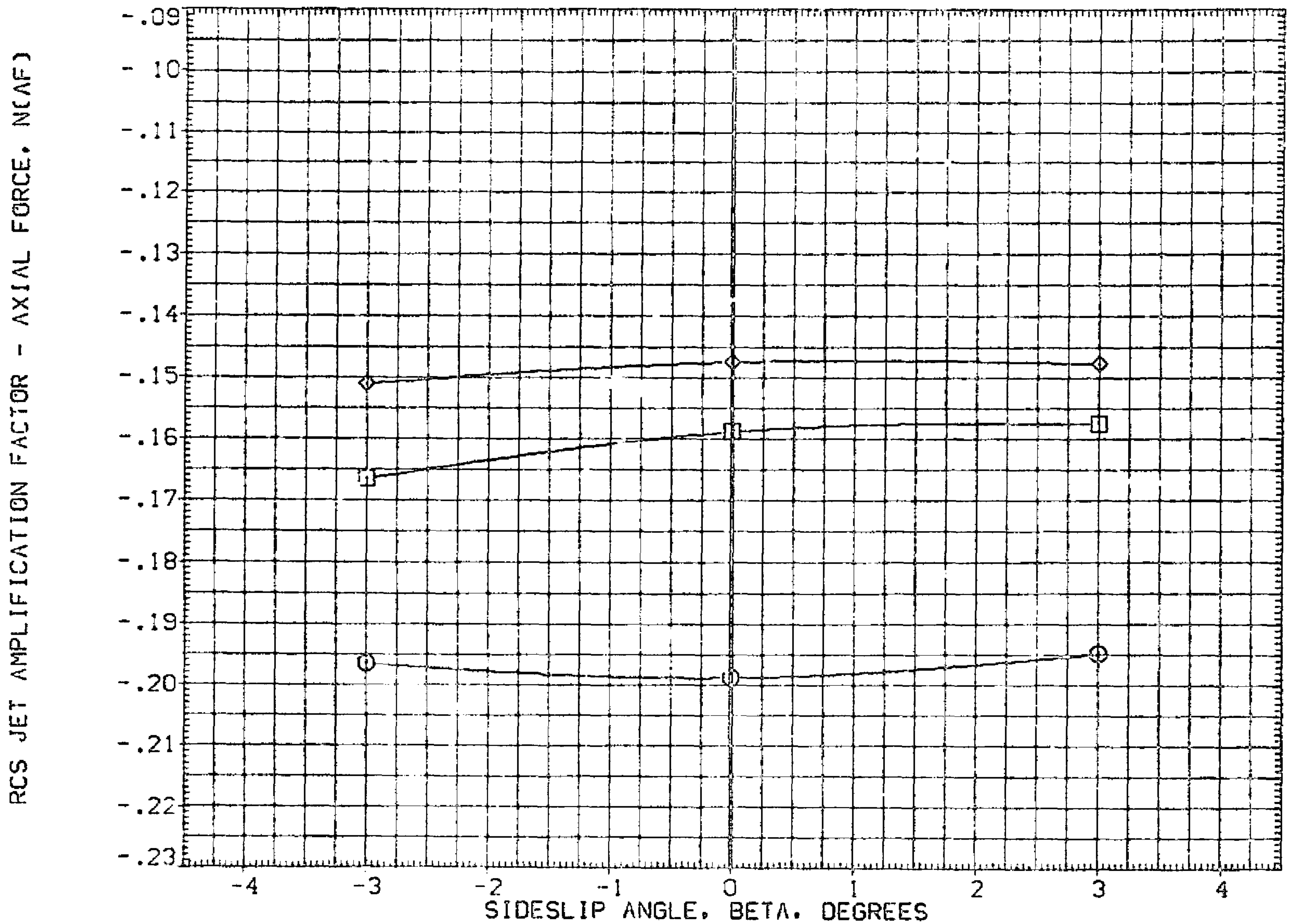

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
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YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

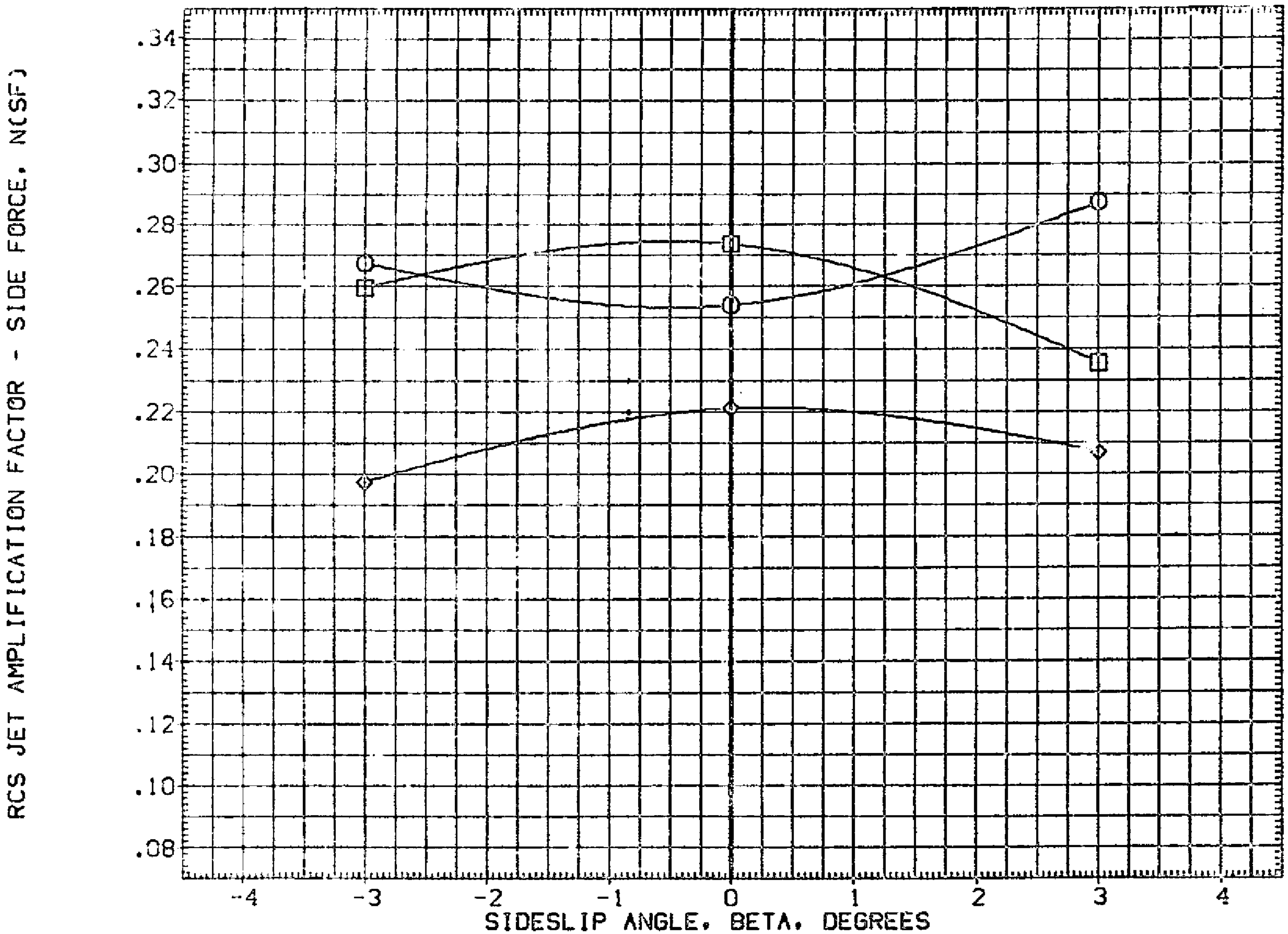

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/OA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

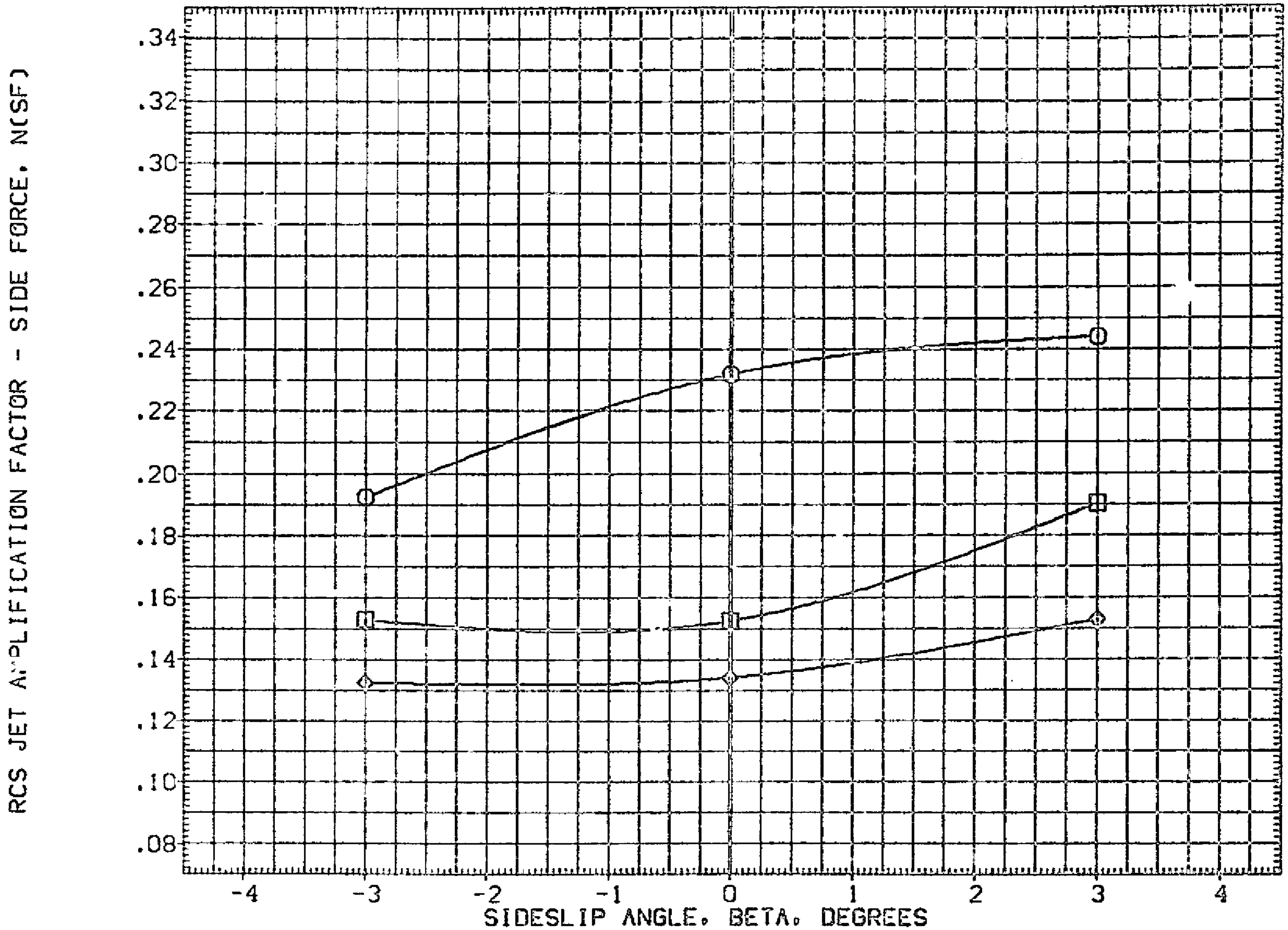

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

OIN83 LARC CFHT 118 (MA 22) (CJA213)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

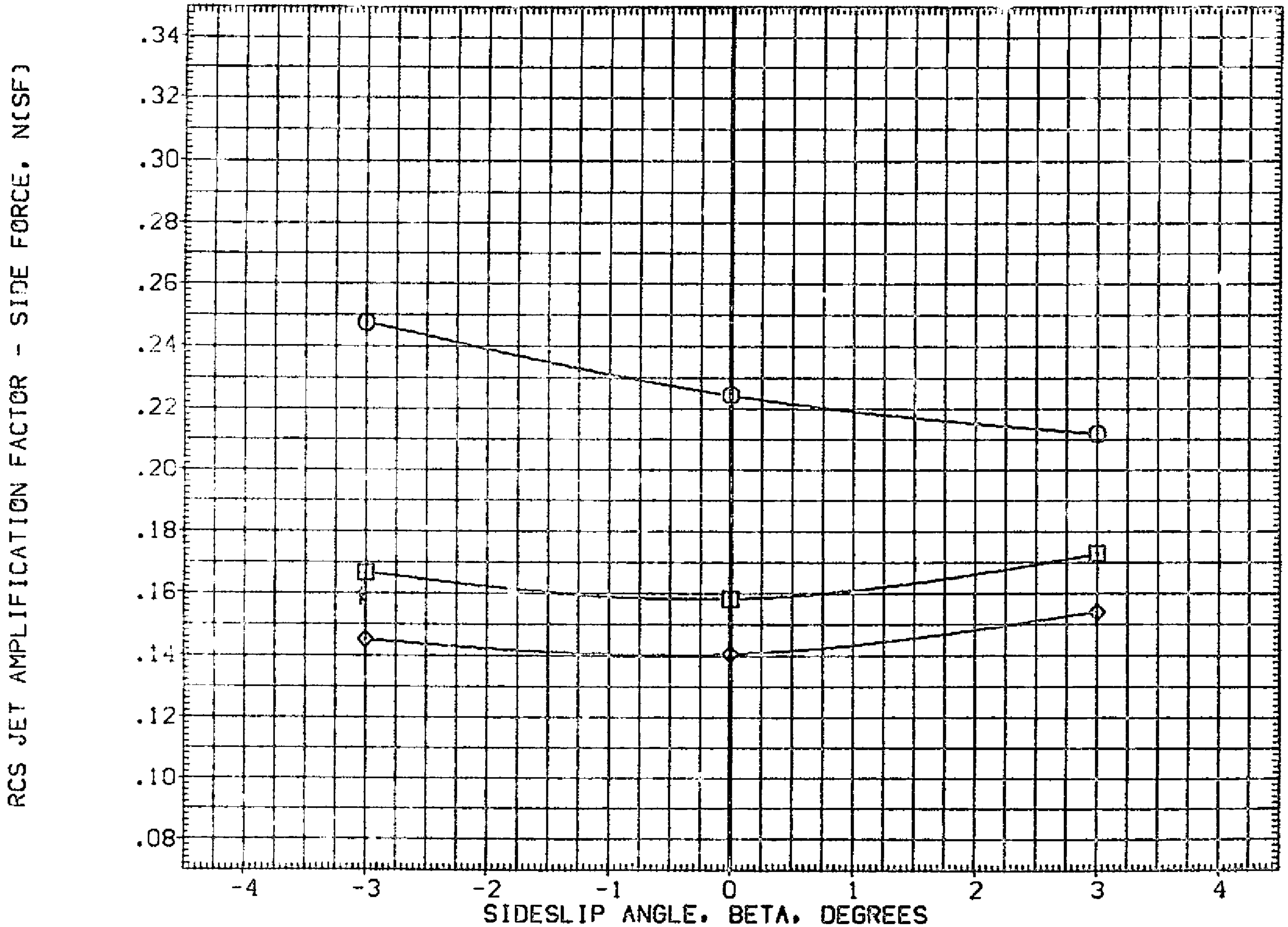

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/OA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

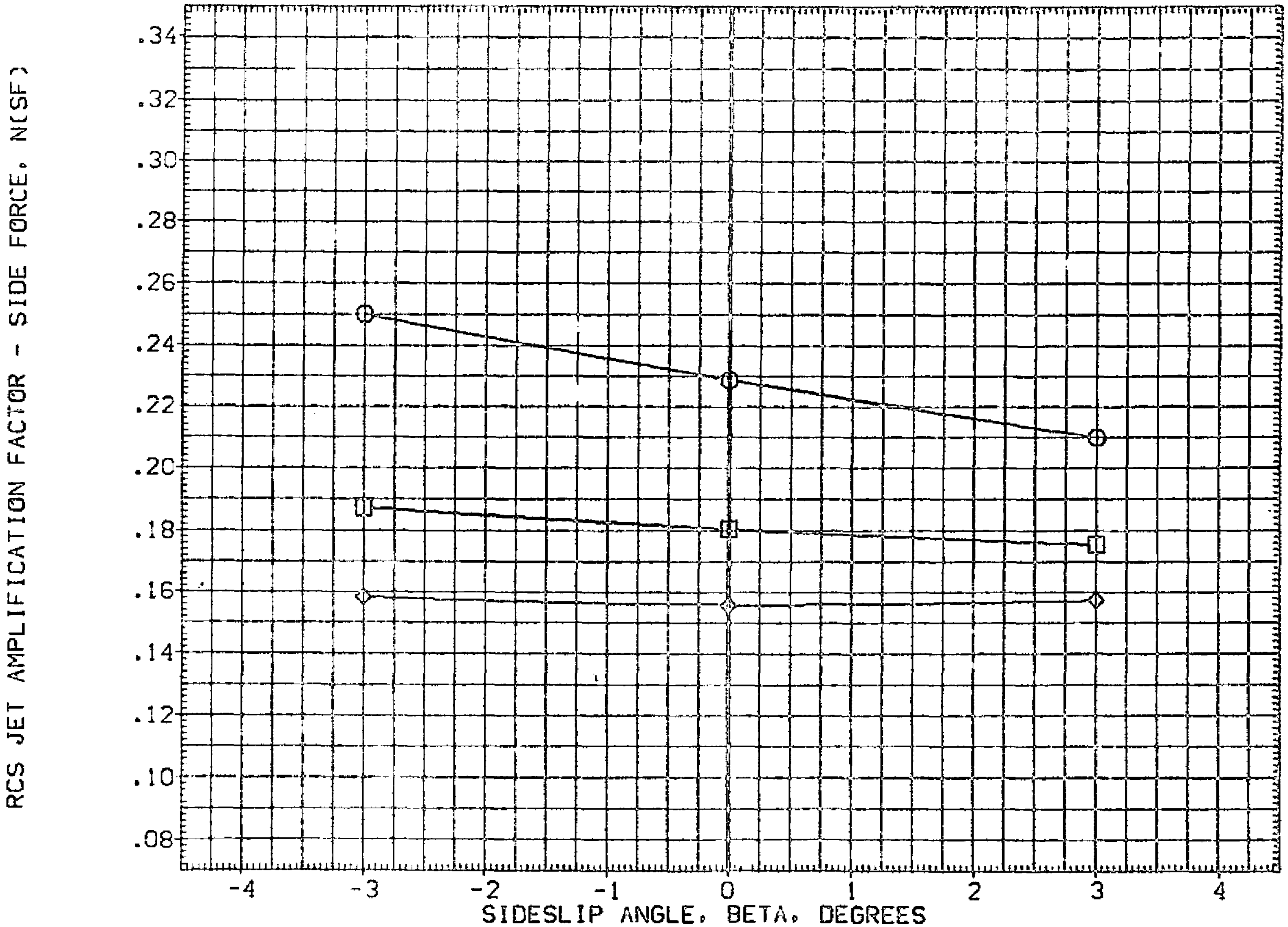

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

0IN83 LARC CFHT 118 (MA-22) (CJA213)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	26[illegible]0.0000	SQ.FT.
LREF	4[illegible]4.8000	INCHES
BREF	9[illegible]6.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

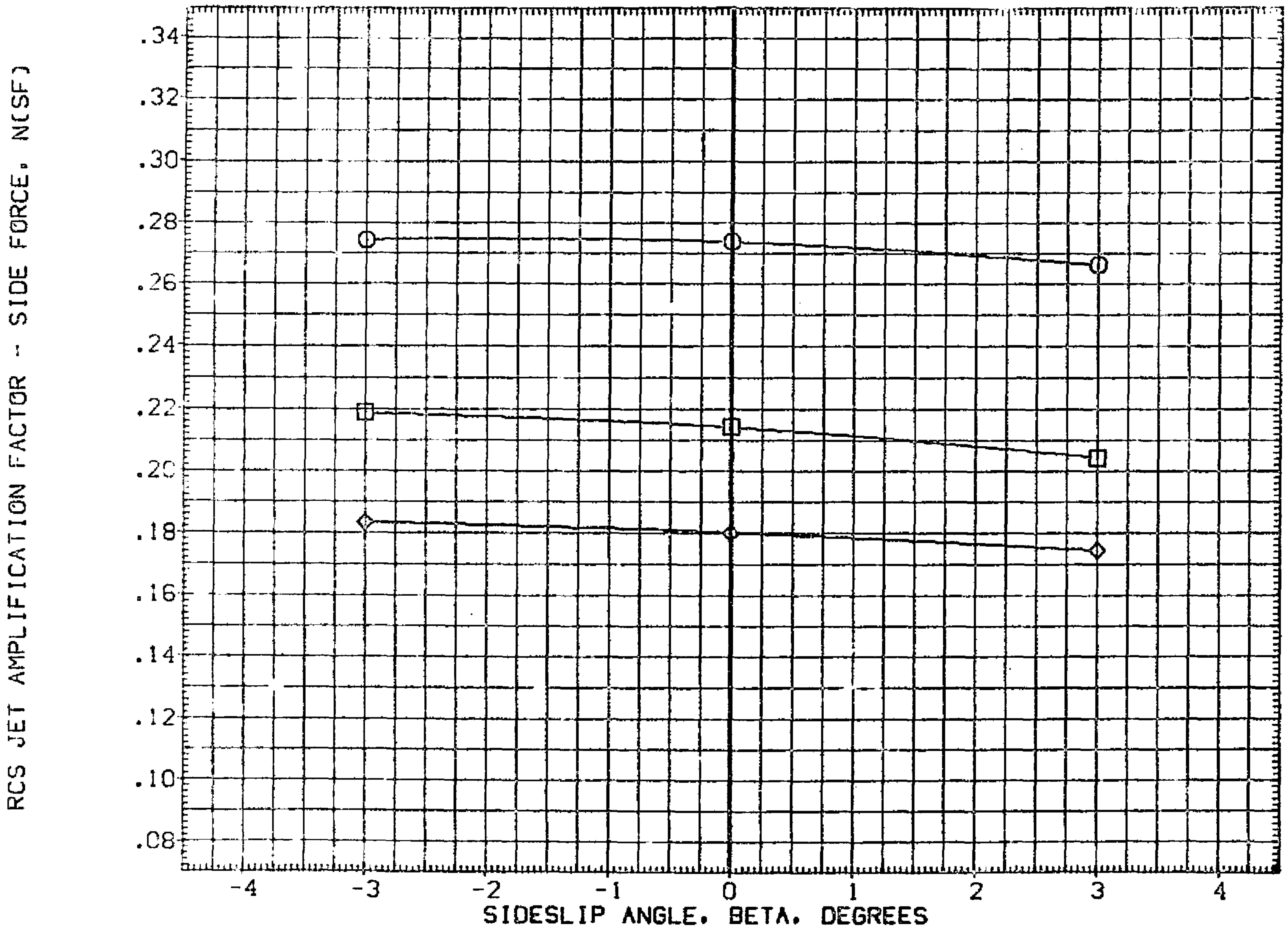

FIGURE 84. AMPLIFICATION FACTOR IN YAW, N83 JETS

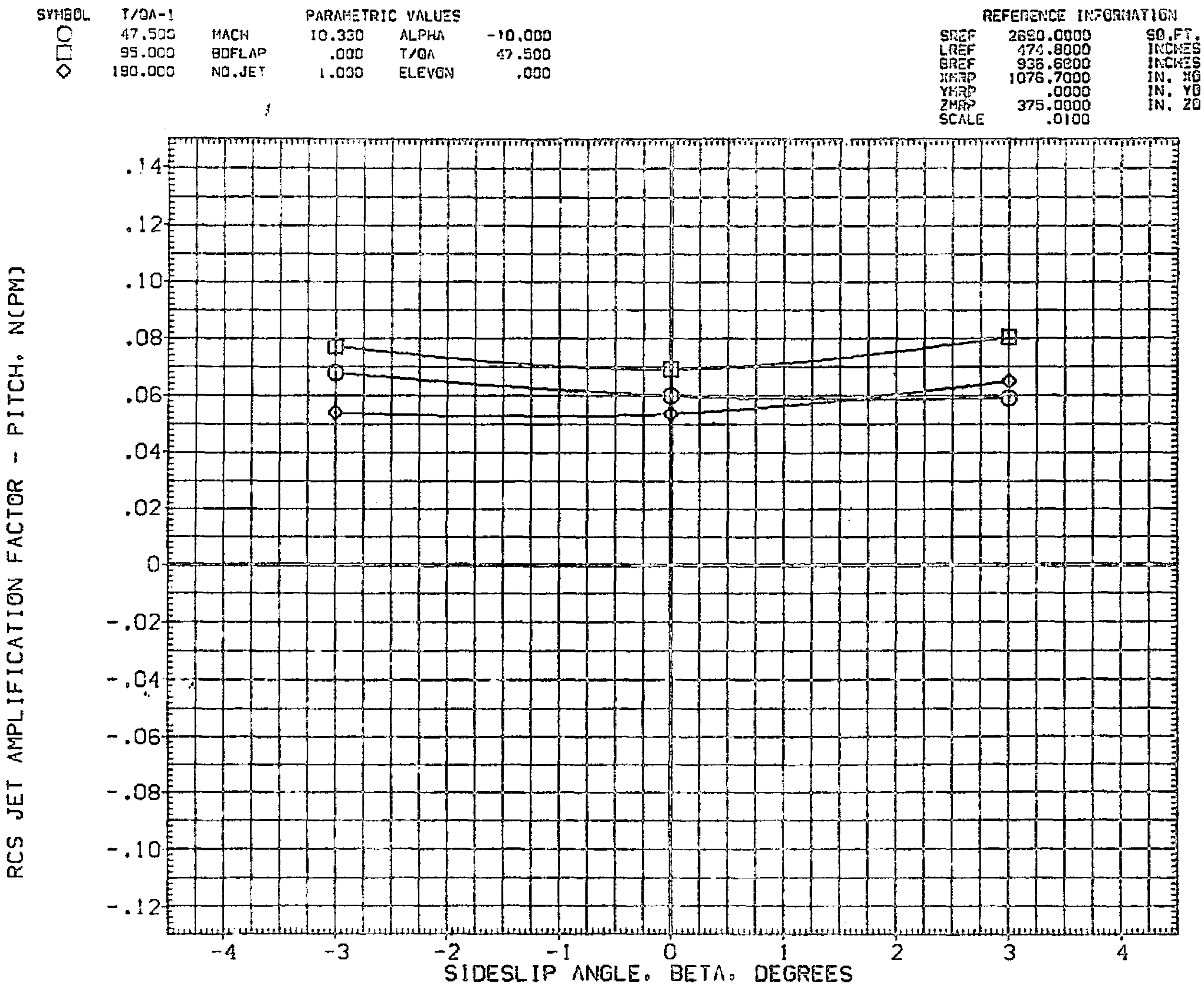

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/OA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/OA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT
LREF	471.3000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

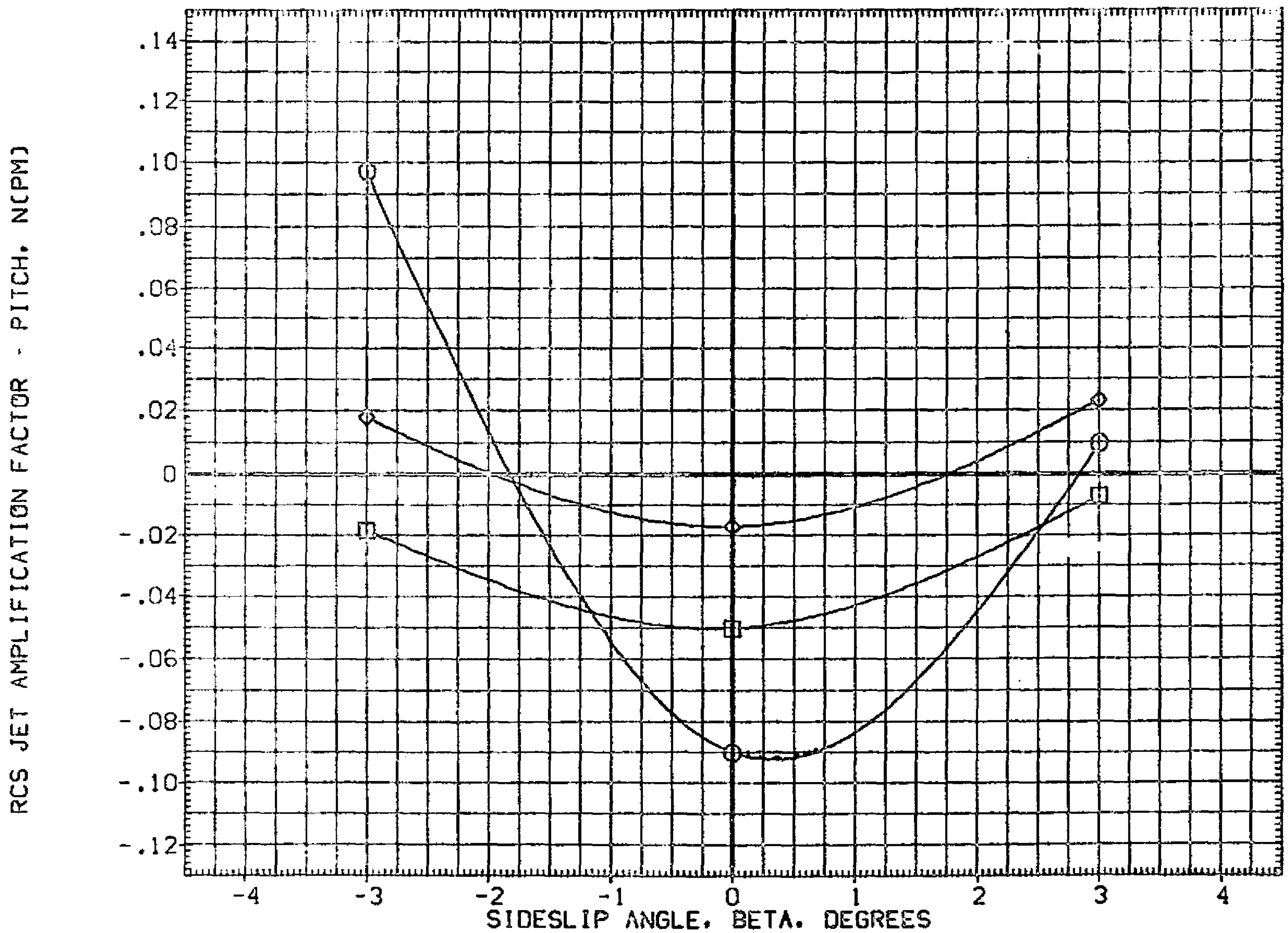

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 118 (MA-22) (CJA147)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/OA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

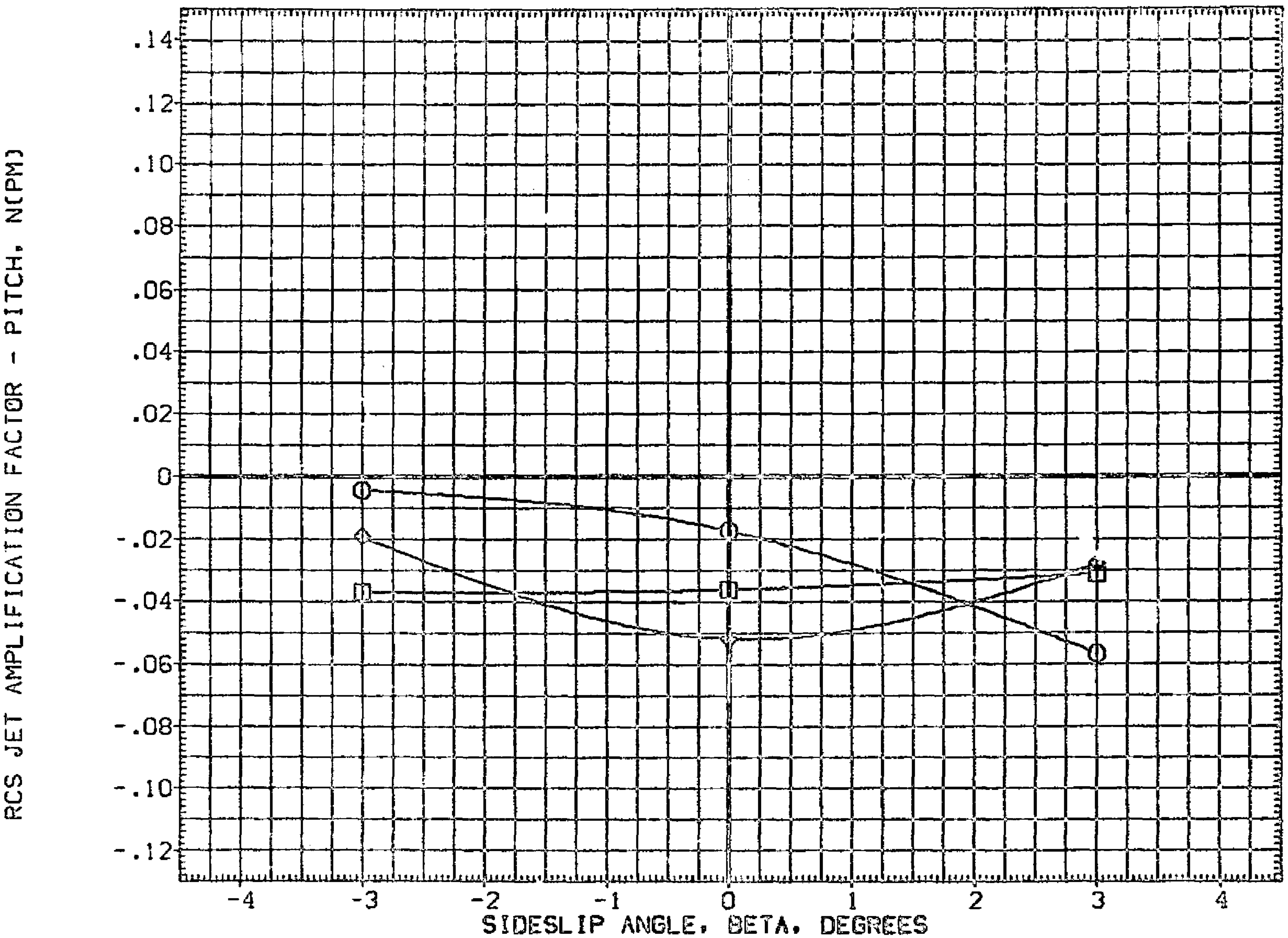

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 118 (MA-22) (CJA147)

SYMBOL	T/QA-I		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

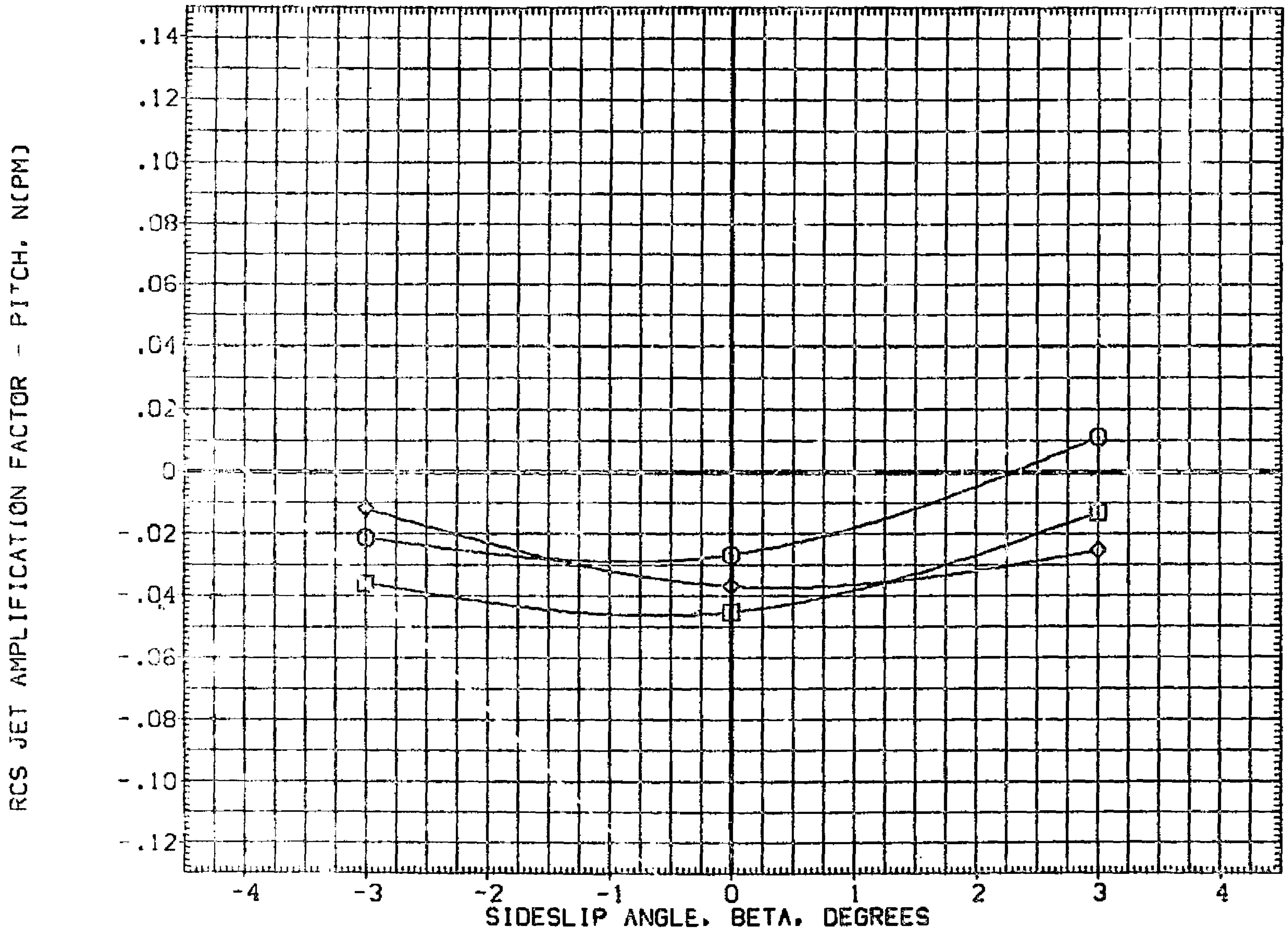

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

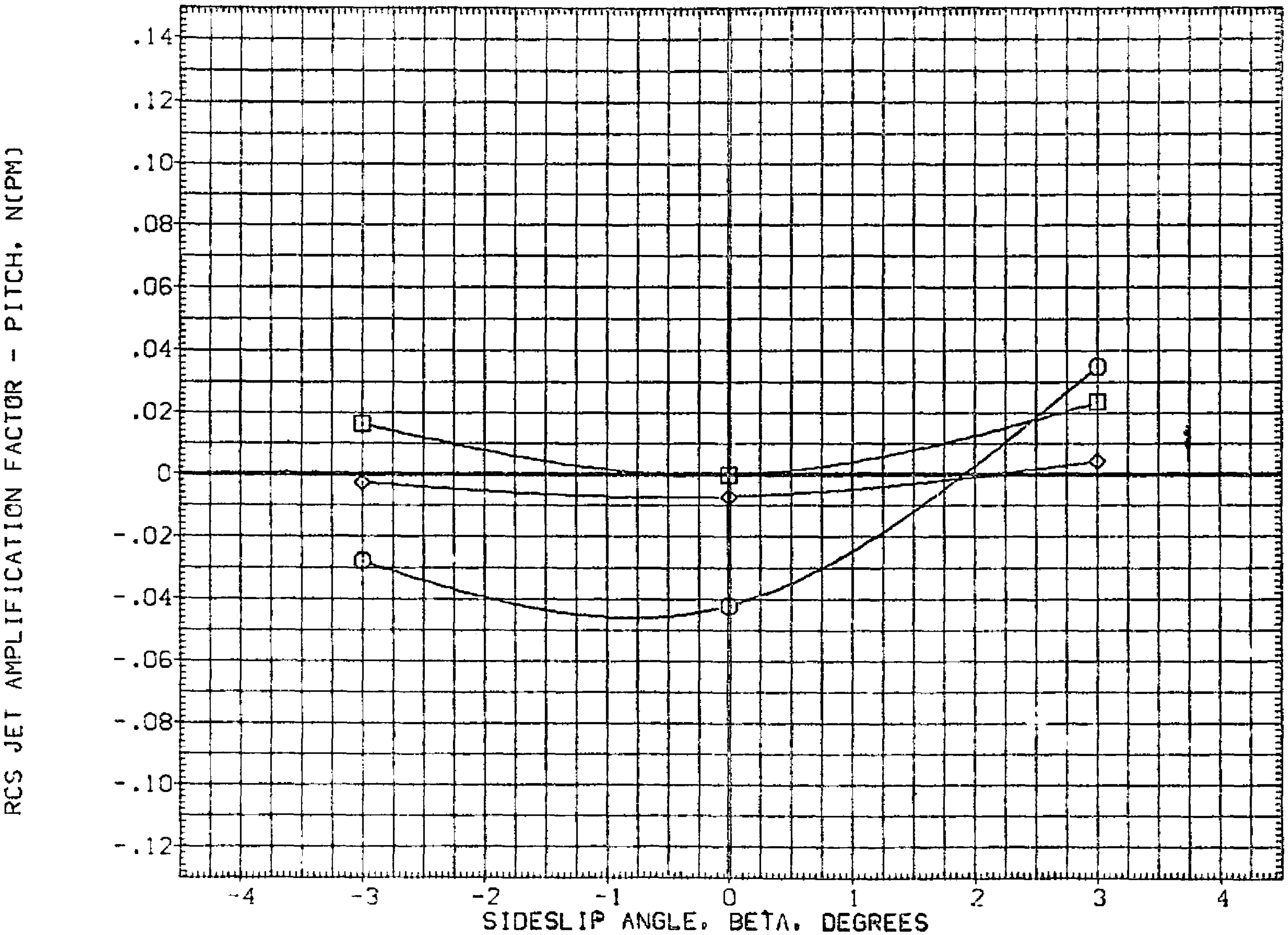

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 118 (MA 22) (CJA147)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

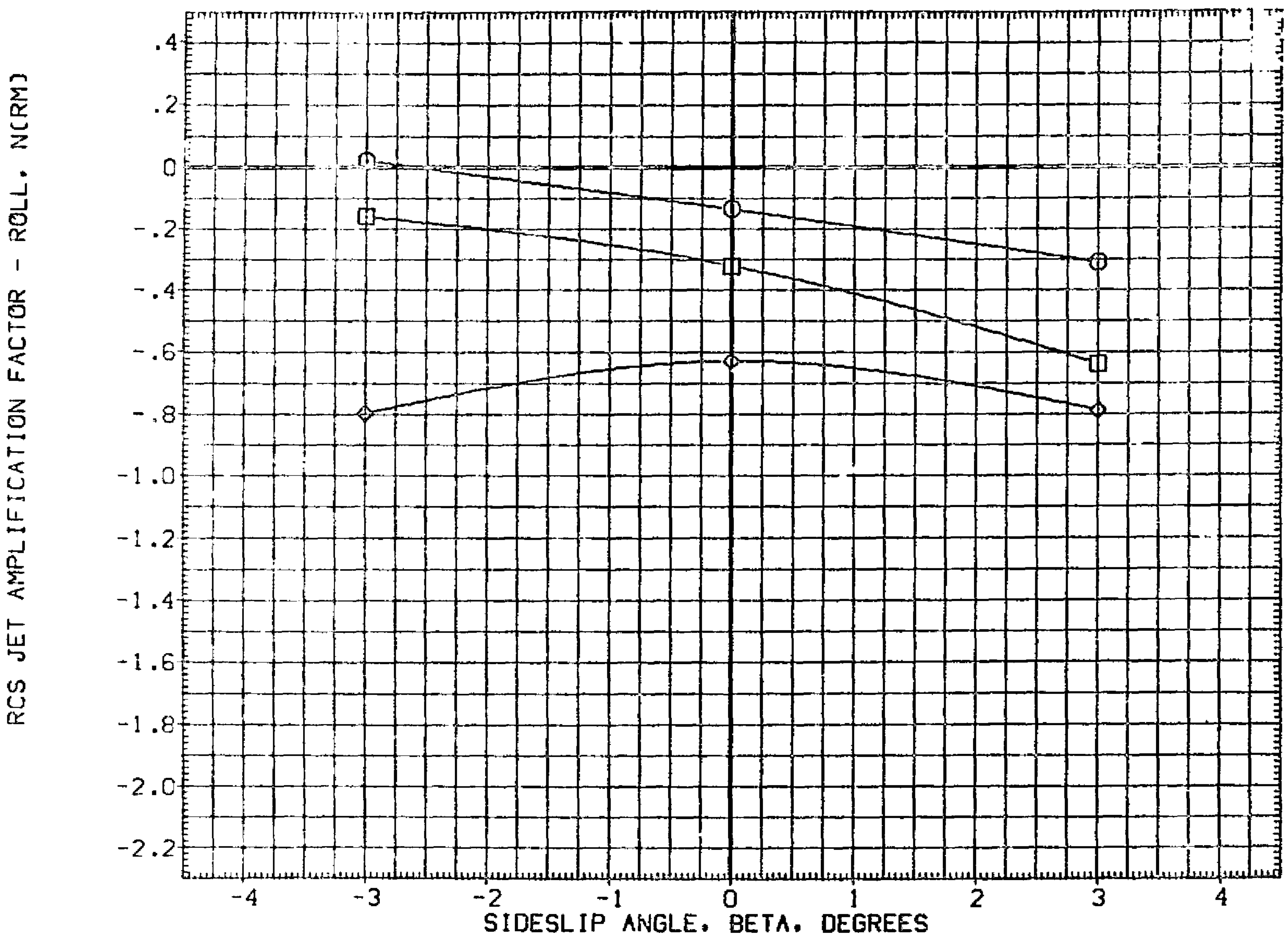

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/QA-1
○	47.500
□	95.000
◇	190.000

PARAMETRIC VALUES

MACH	10.330	ALPHA	.000
BDFLAP	.000	T/QA	47.500
NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

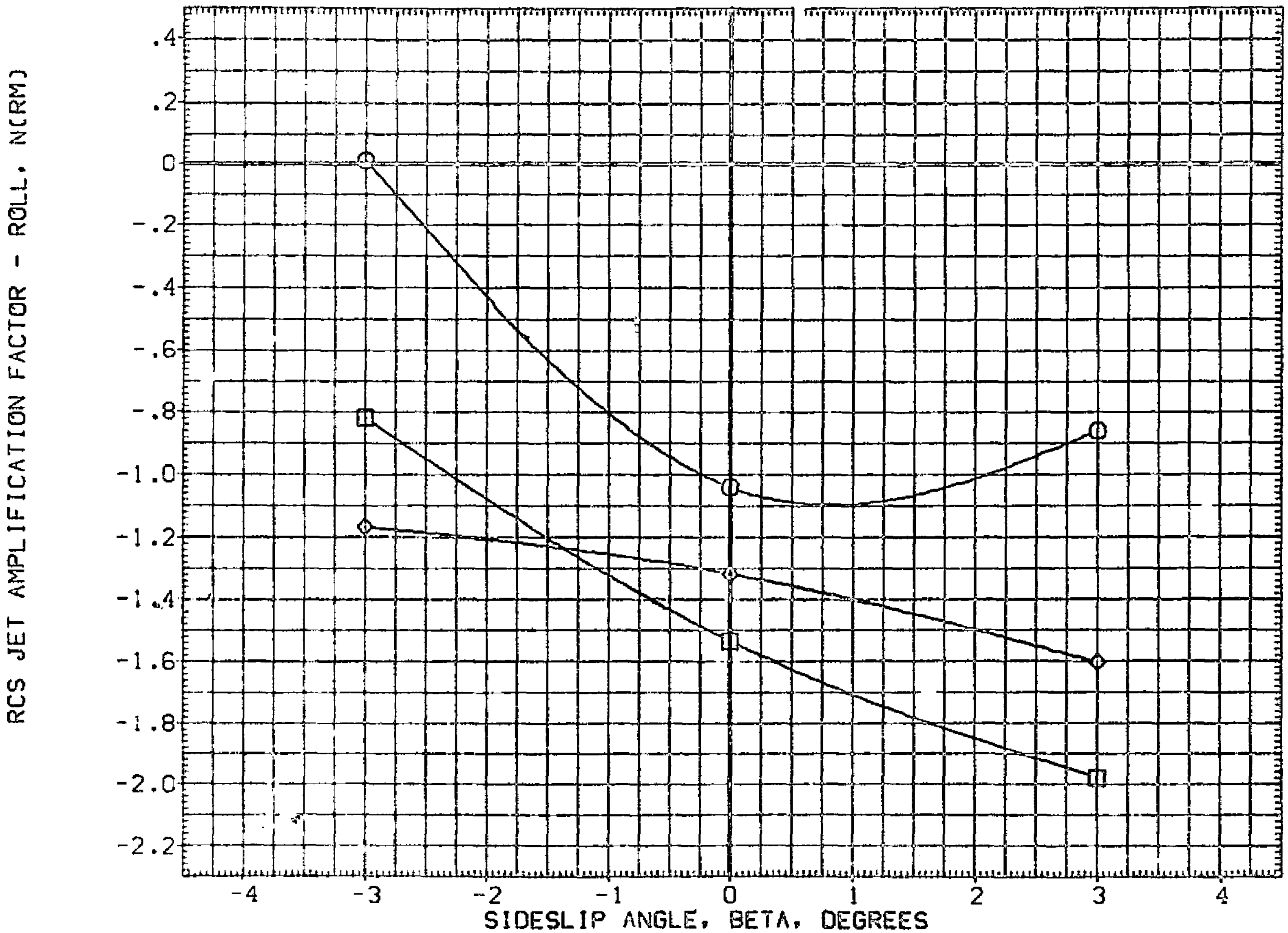

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

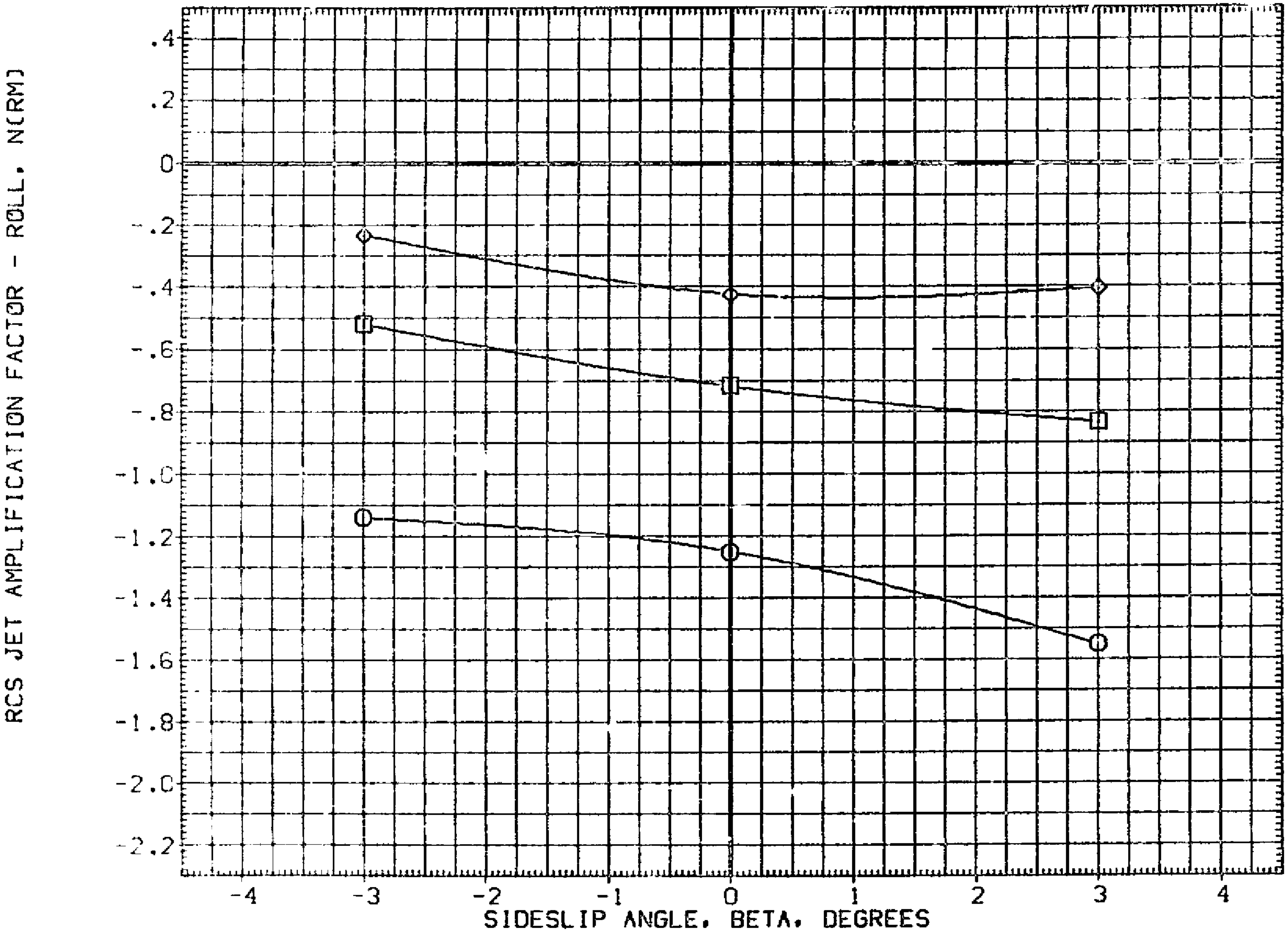

FIGURE 95. AMPLIFICATION FACTOR IN YAW, N78 JETS

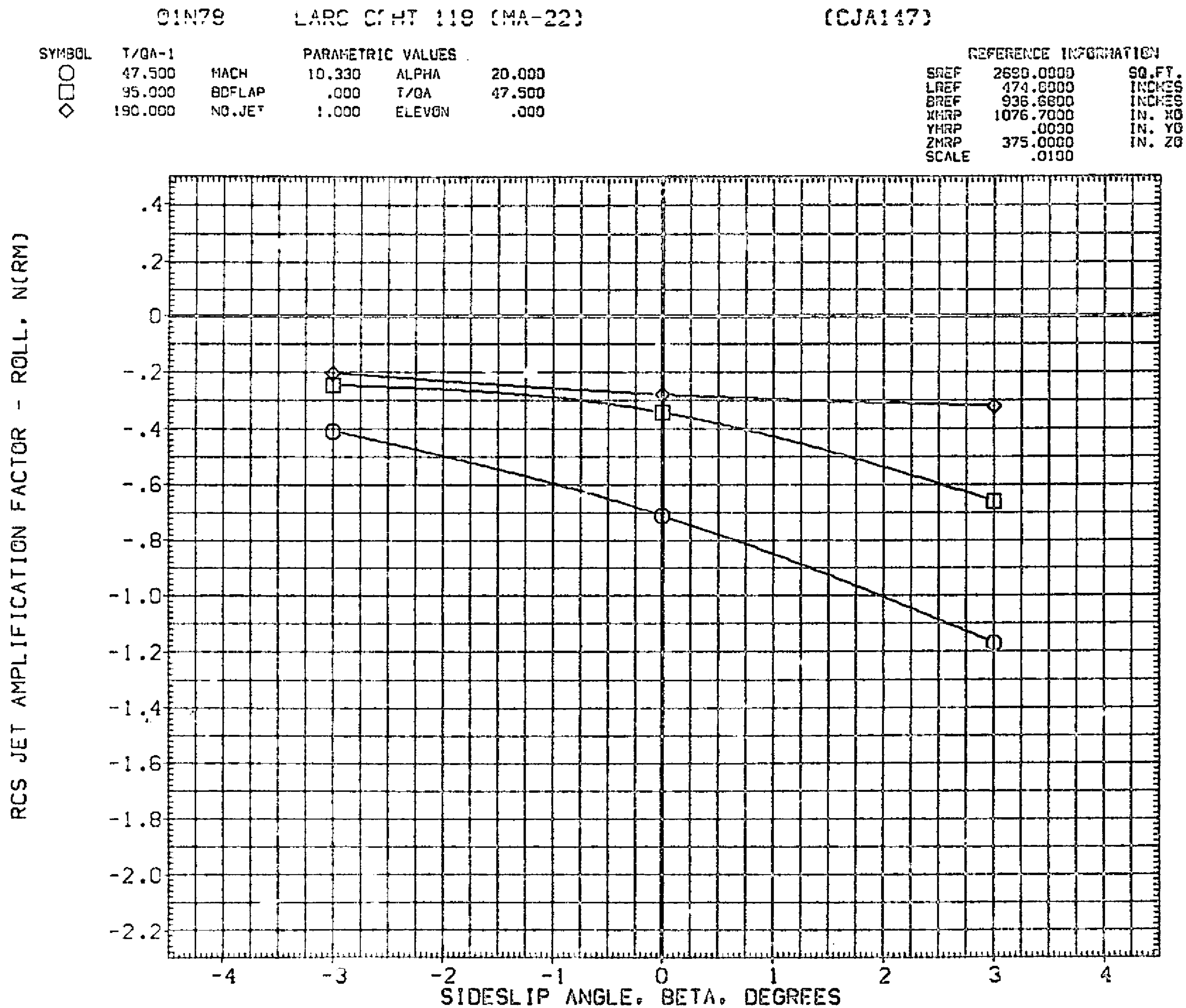

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

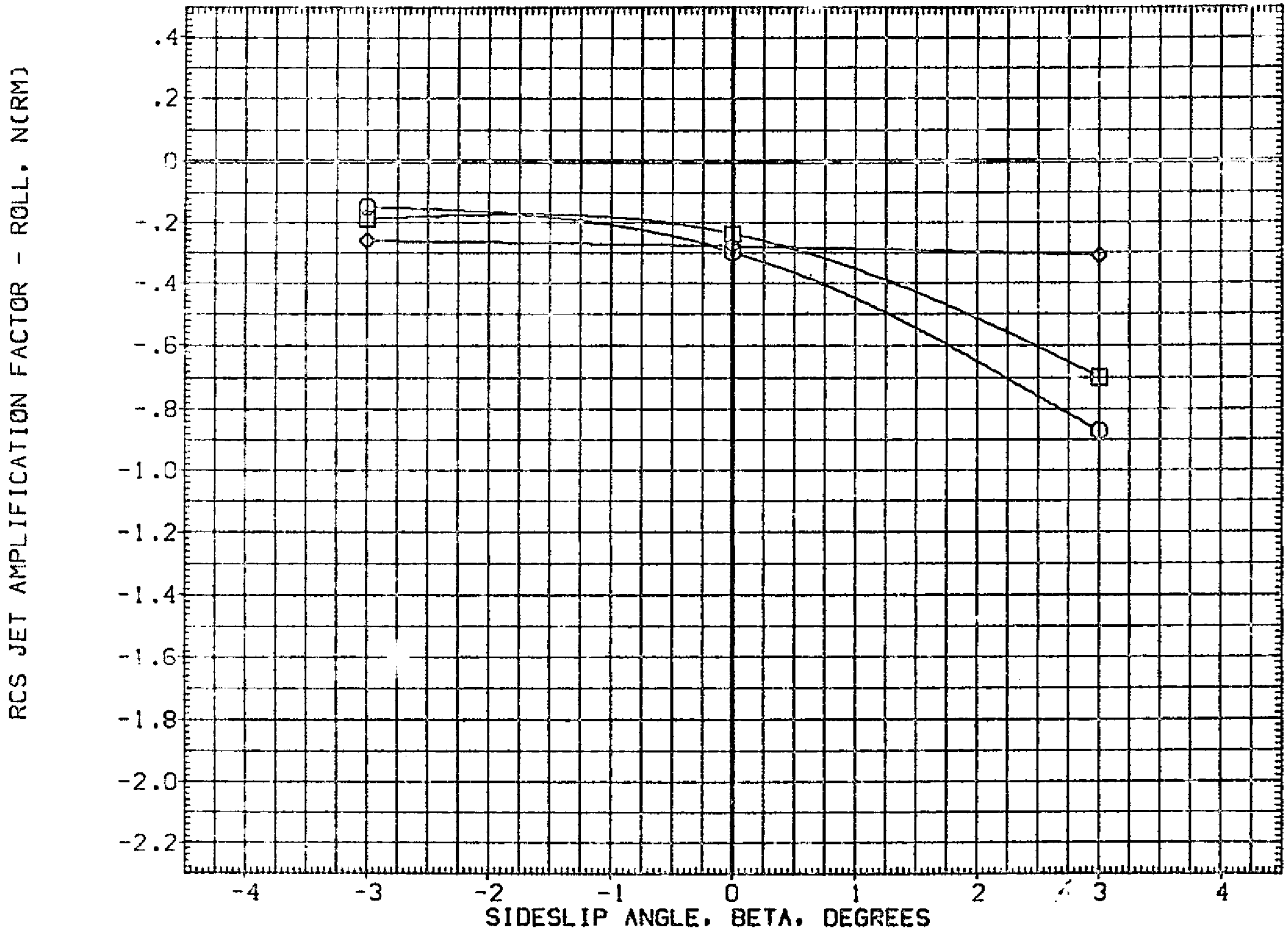

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

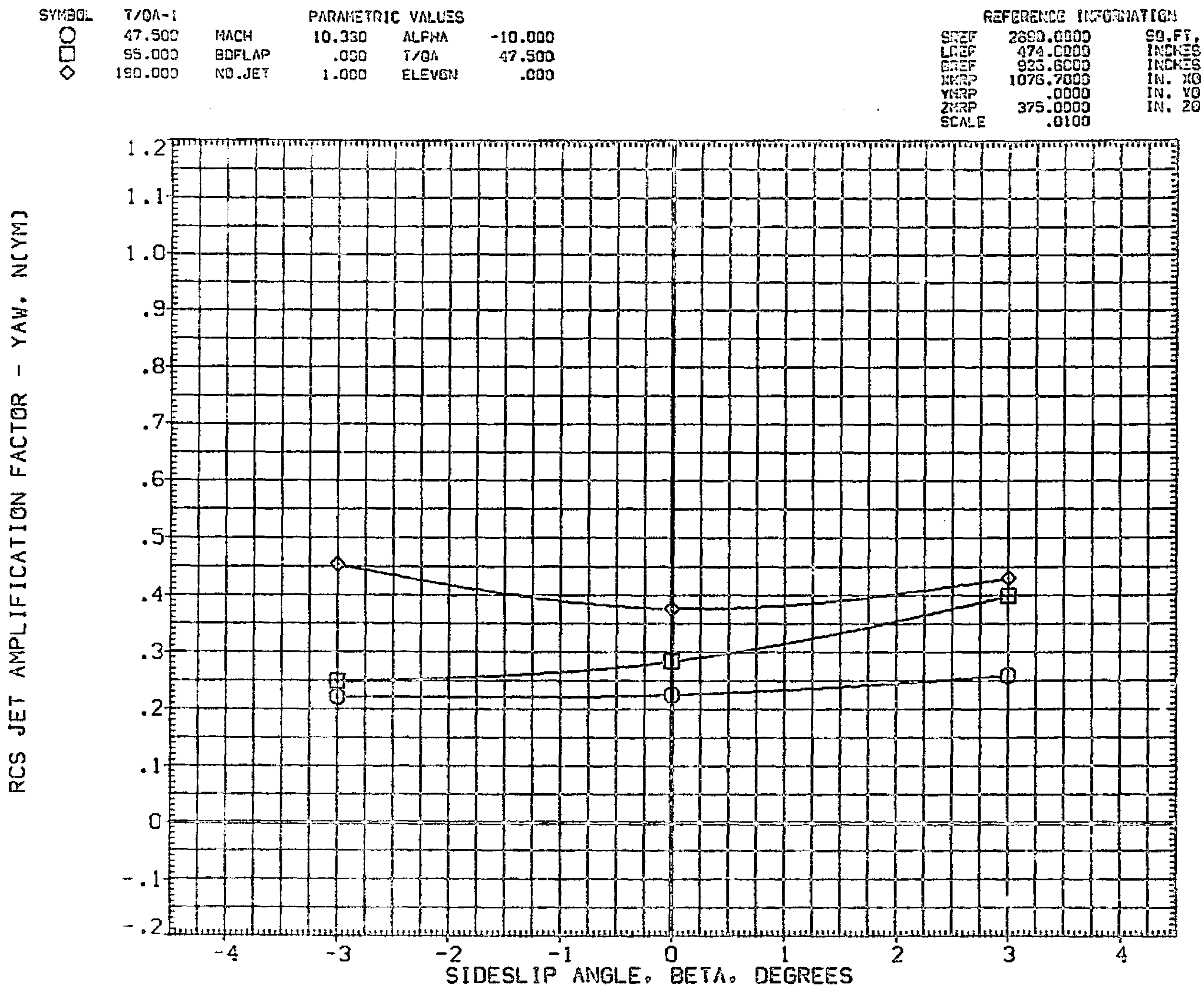

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

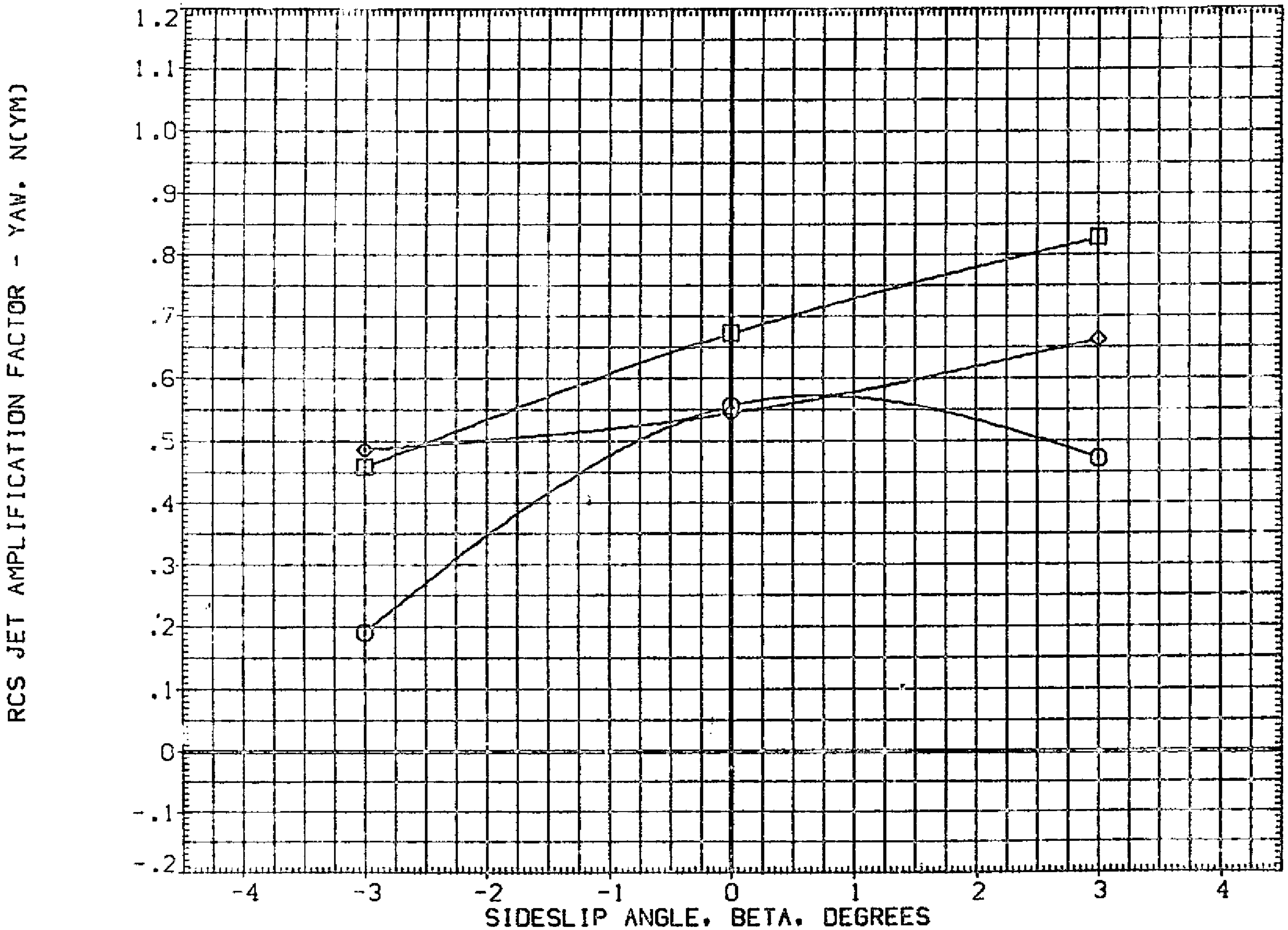

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 118 (MA-22) (CJA147)

SYMBOL T/QA-1 PARAMETRIC VALUES

SYMBOL	T/QA-1				
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6000	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

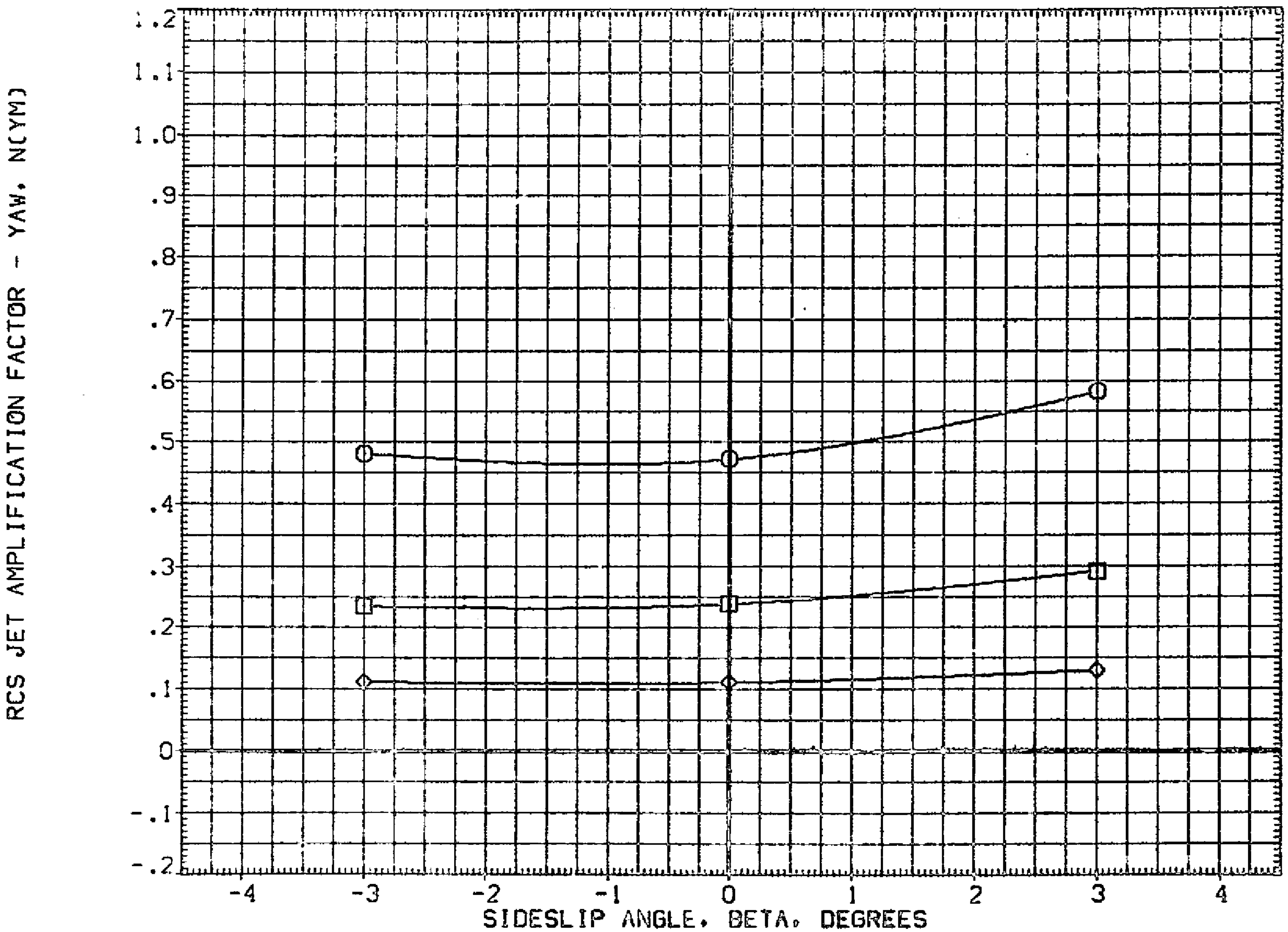

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

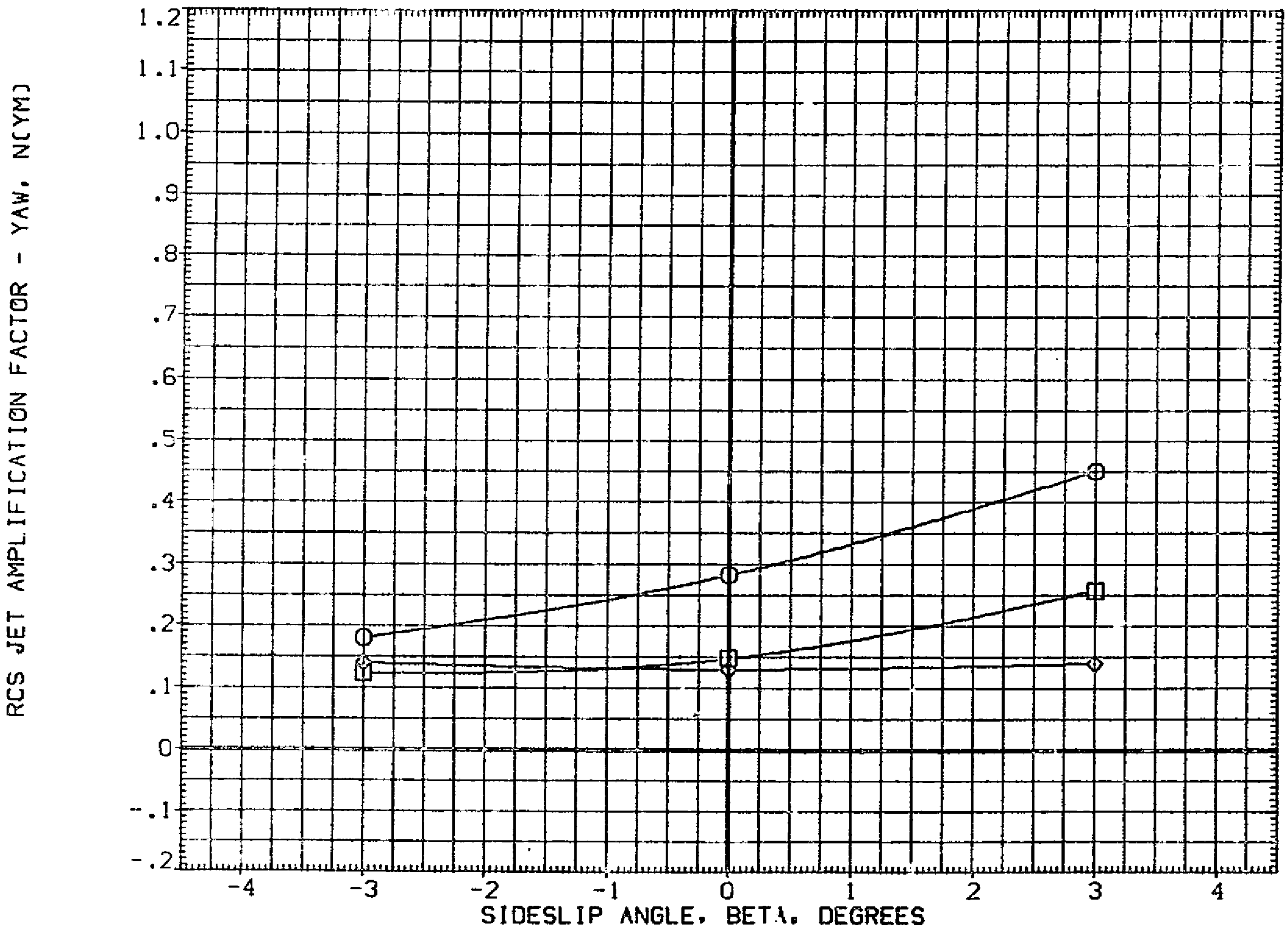

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

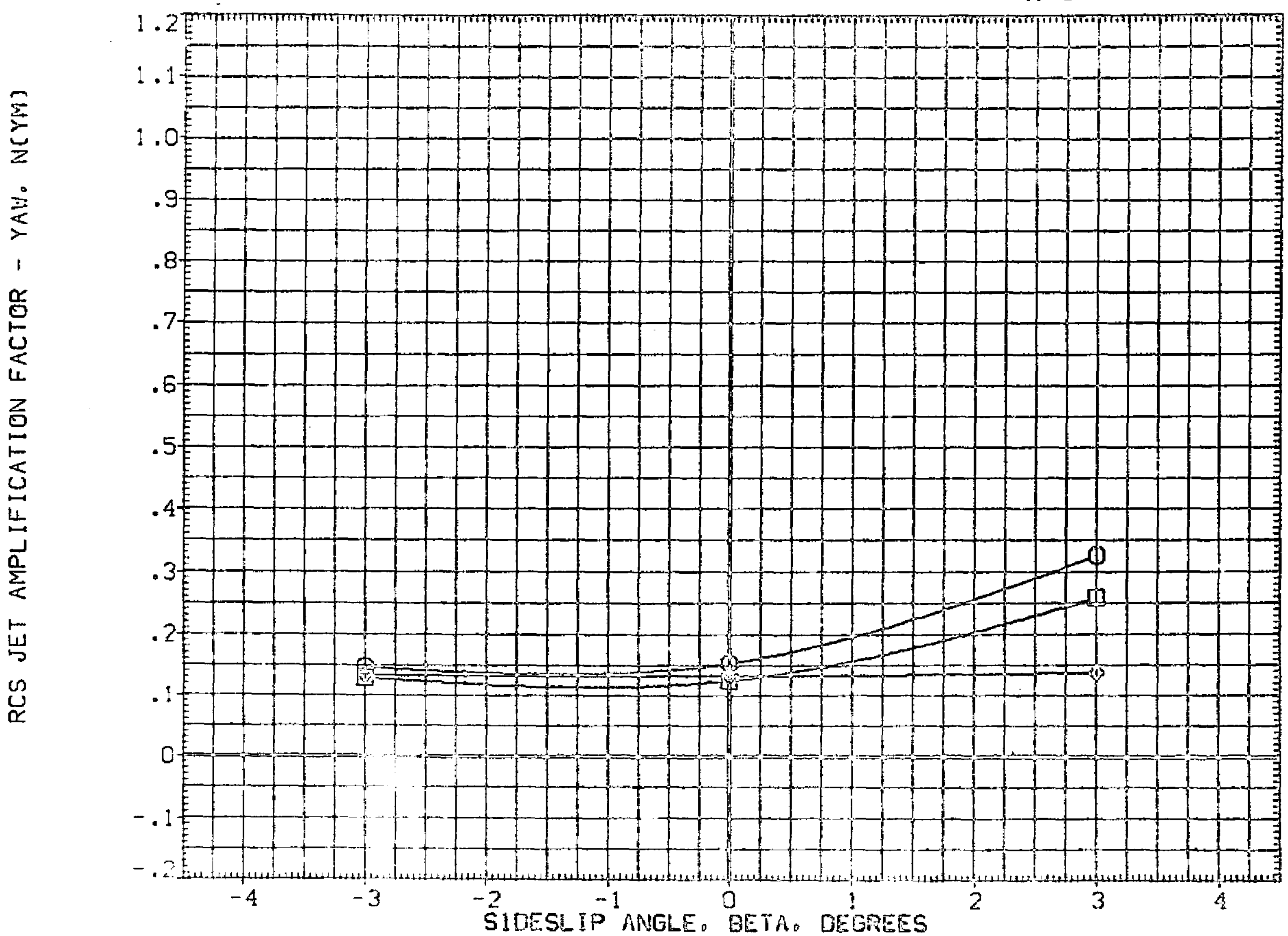

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 118 (MA-22) (CJA147)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	[illegible]
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

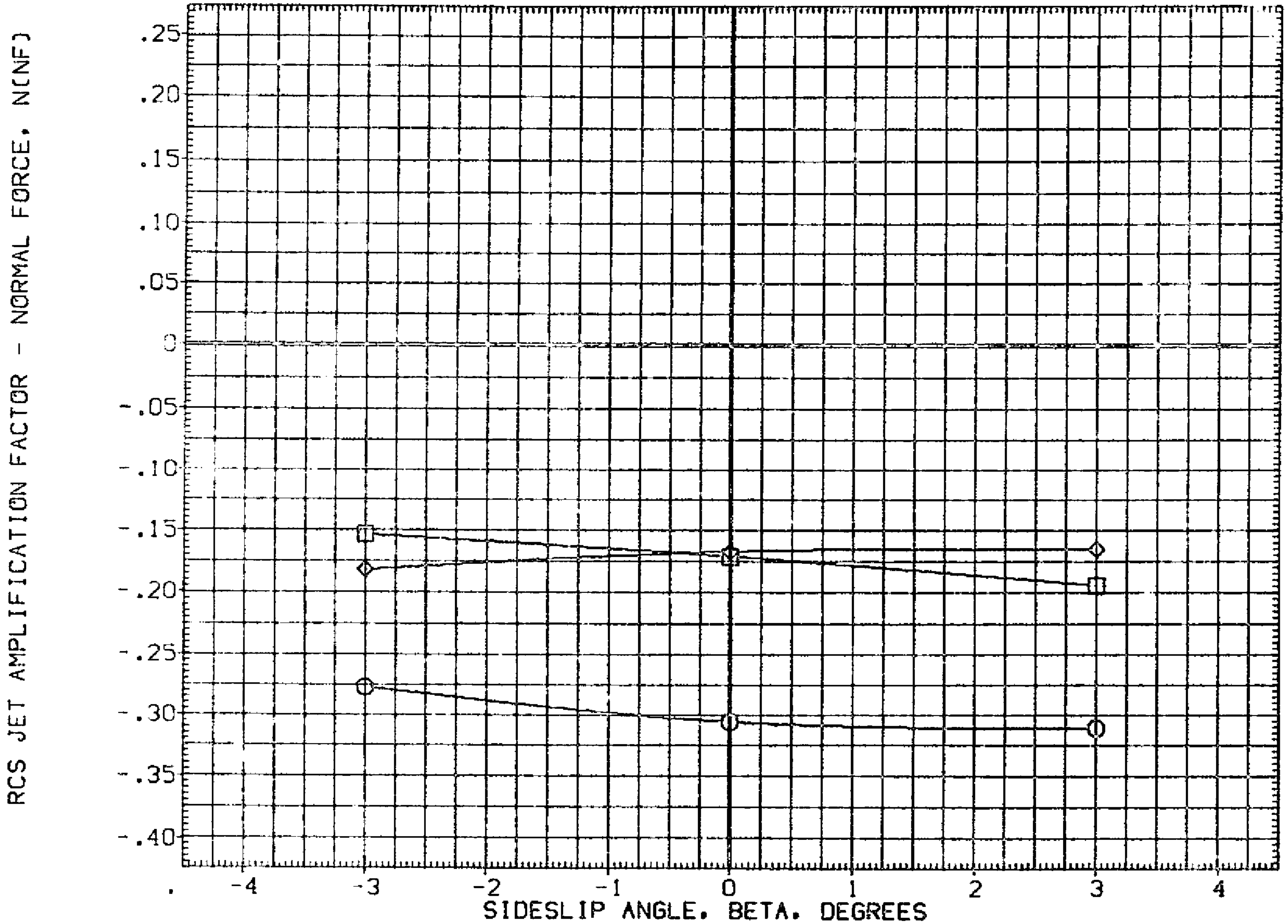

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 118 (MA-22) (CJA147)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/OA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

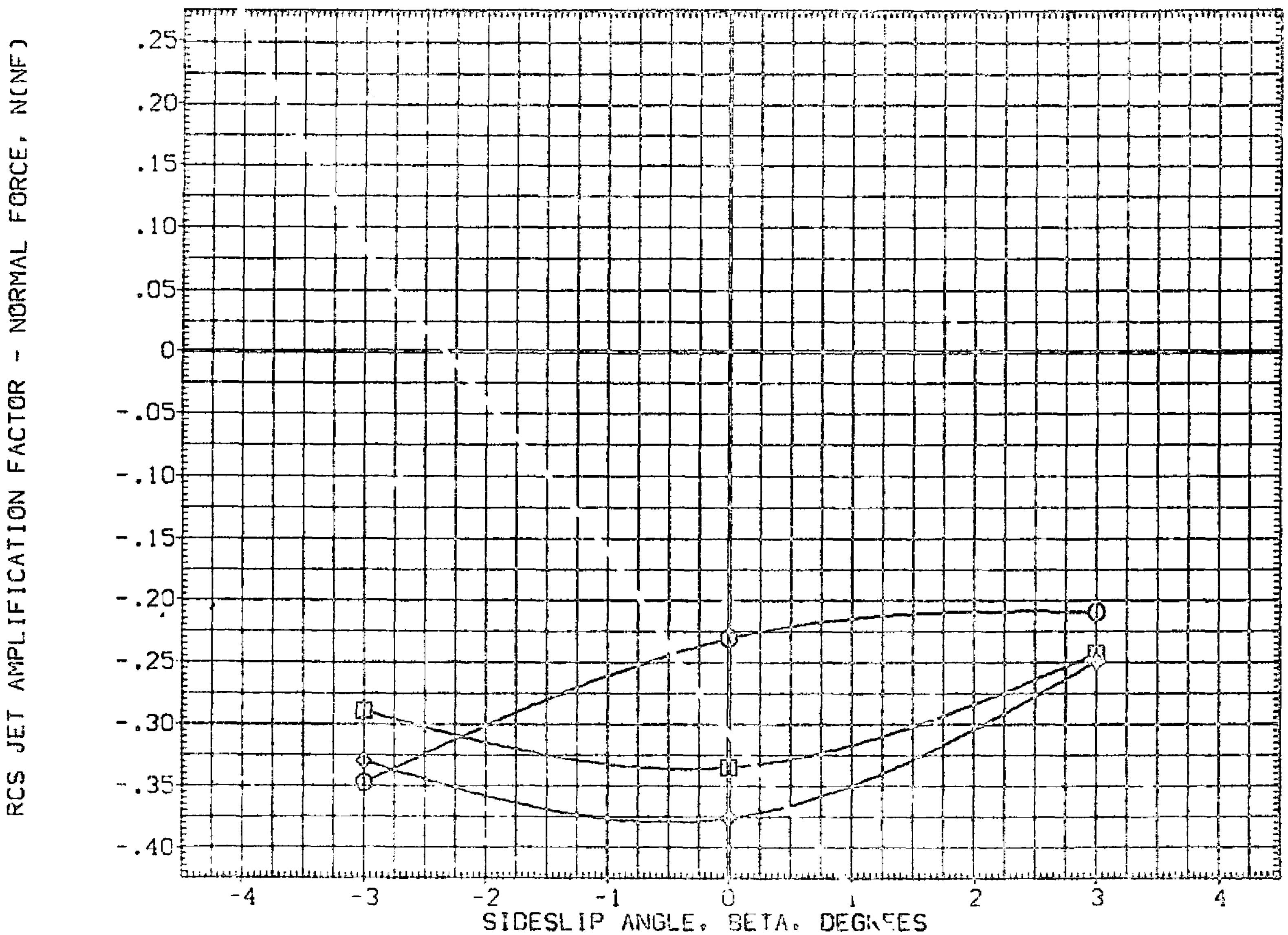

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

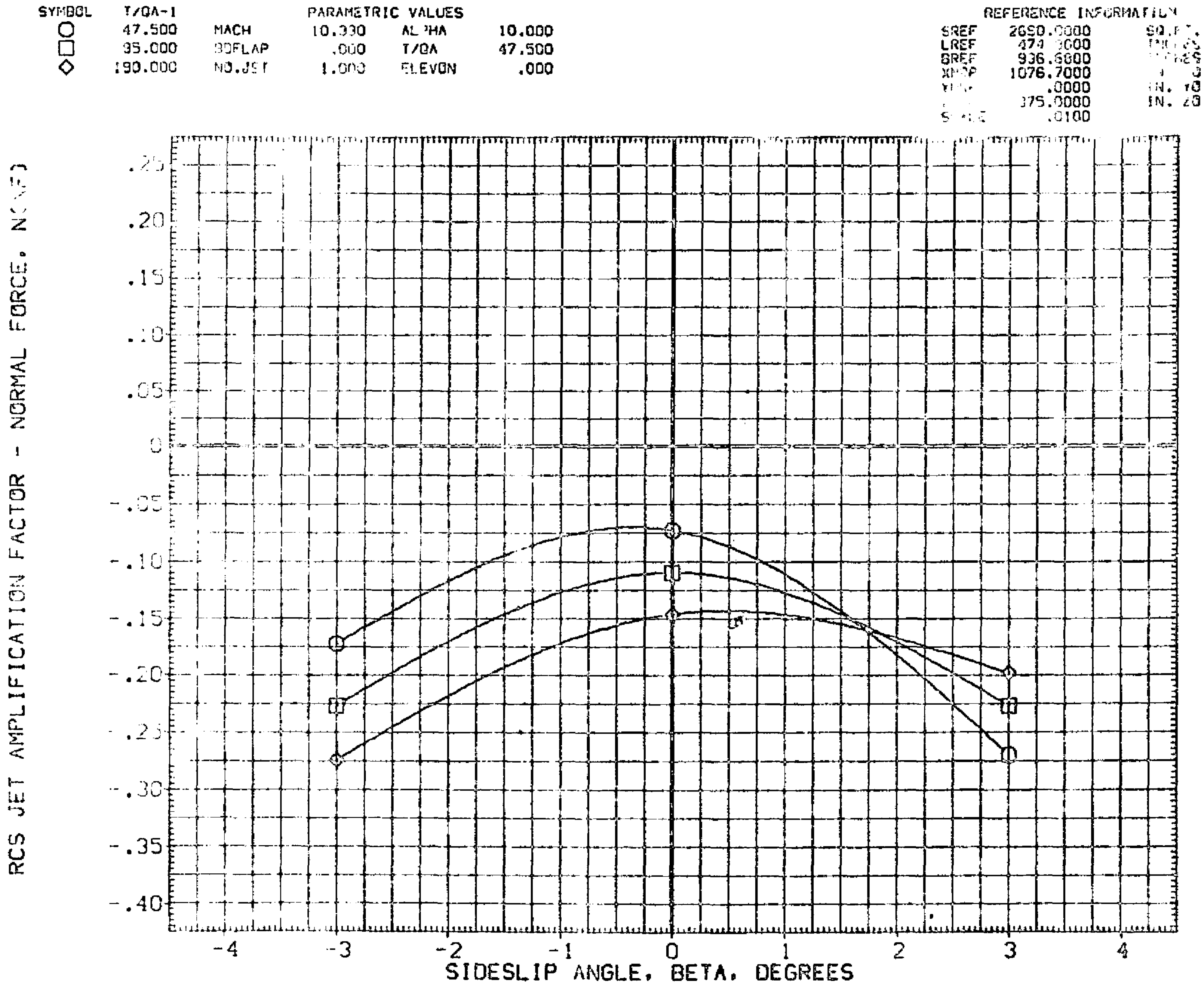

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

DIN78 LARC CFHT 118 (MA-22) (CJA147)

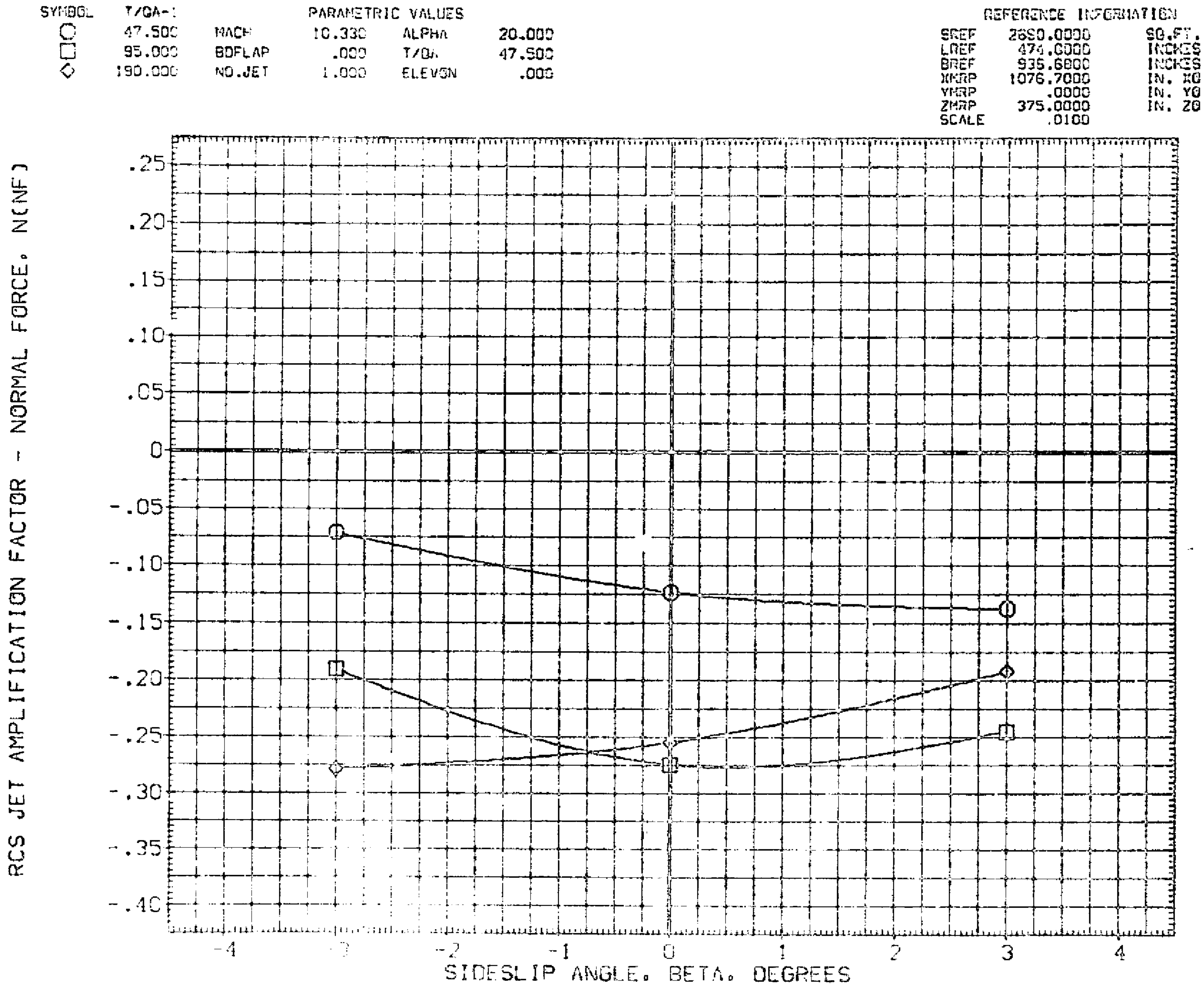

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

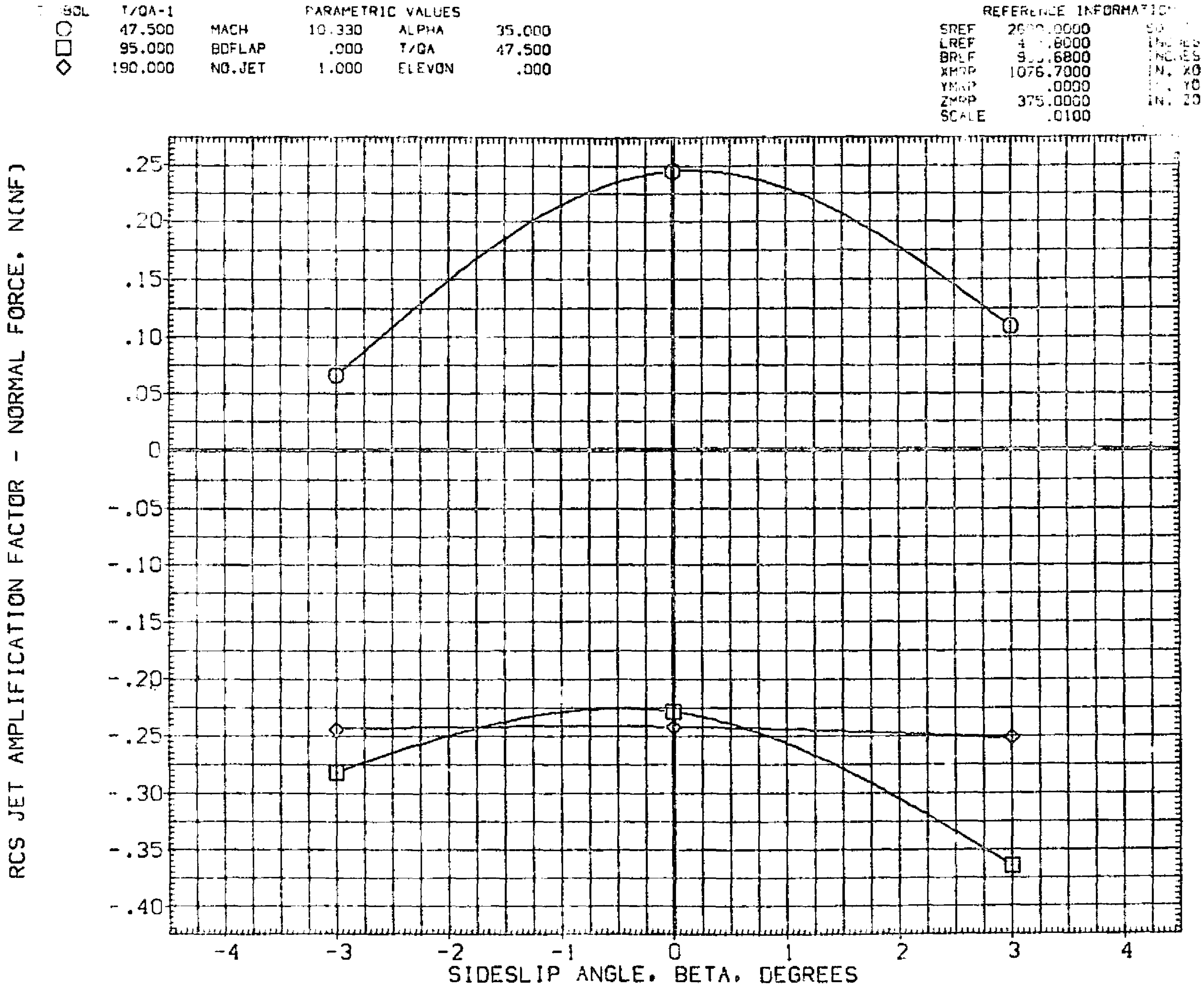

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/GA-1
○	47.500
□	95.000
◇	190.000

PARAMETRIC VALUES

MACH	10.330	ALPHA	-10.000
BDFLAP	.000	T/GA	47.500
NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6000	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

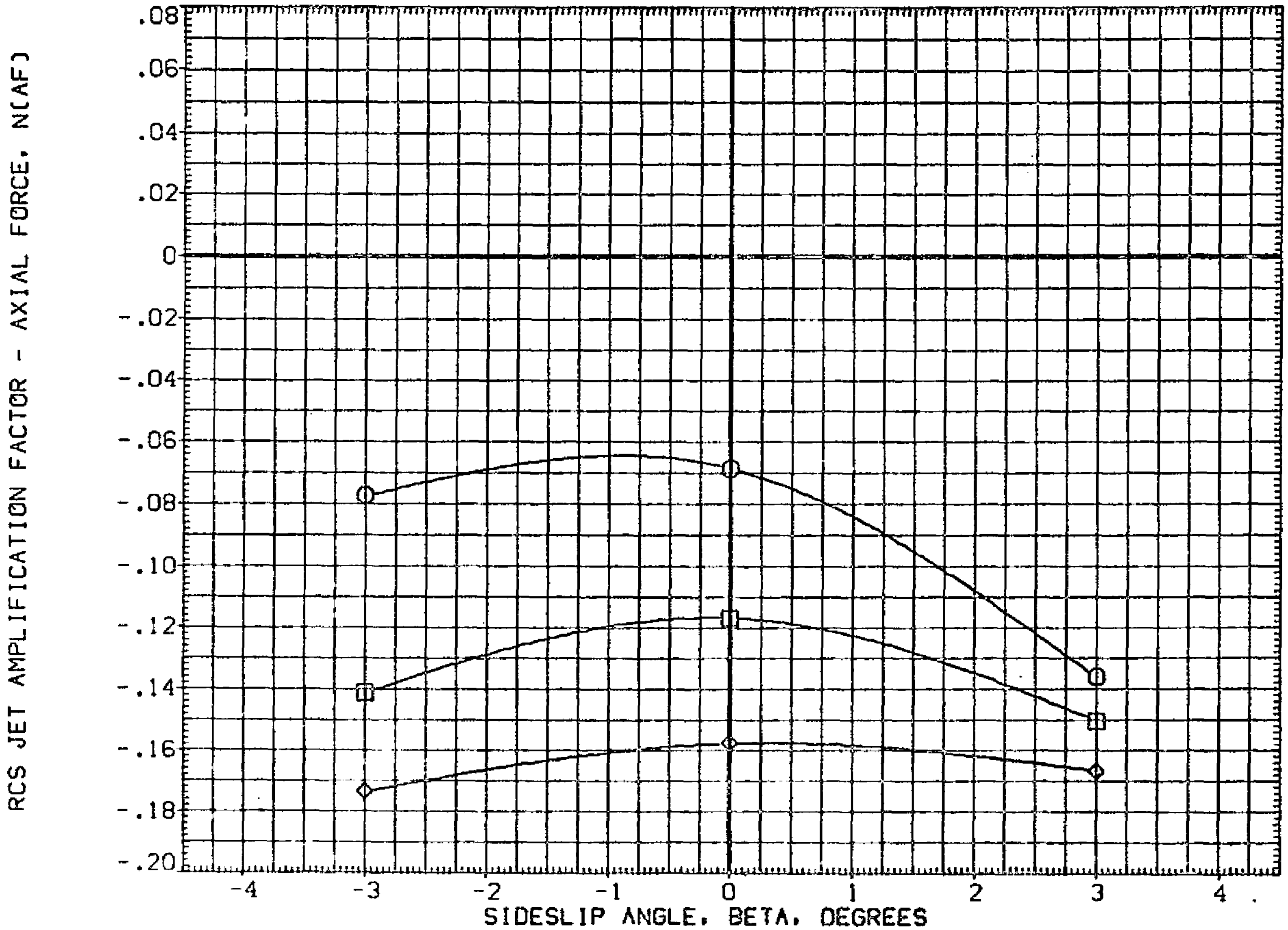

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/QA-1
○	47.500
□	95.000
◇	190.000

PARAMETRIC VALUES

MACH	10.330	ALPHA	.000
BDFLAP	.000	T/QA	47.500
NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

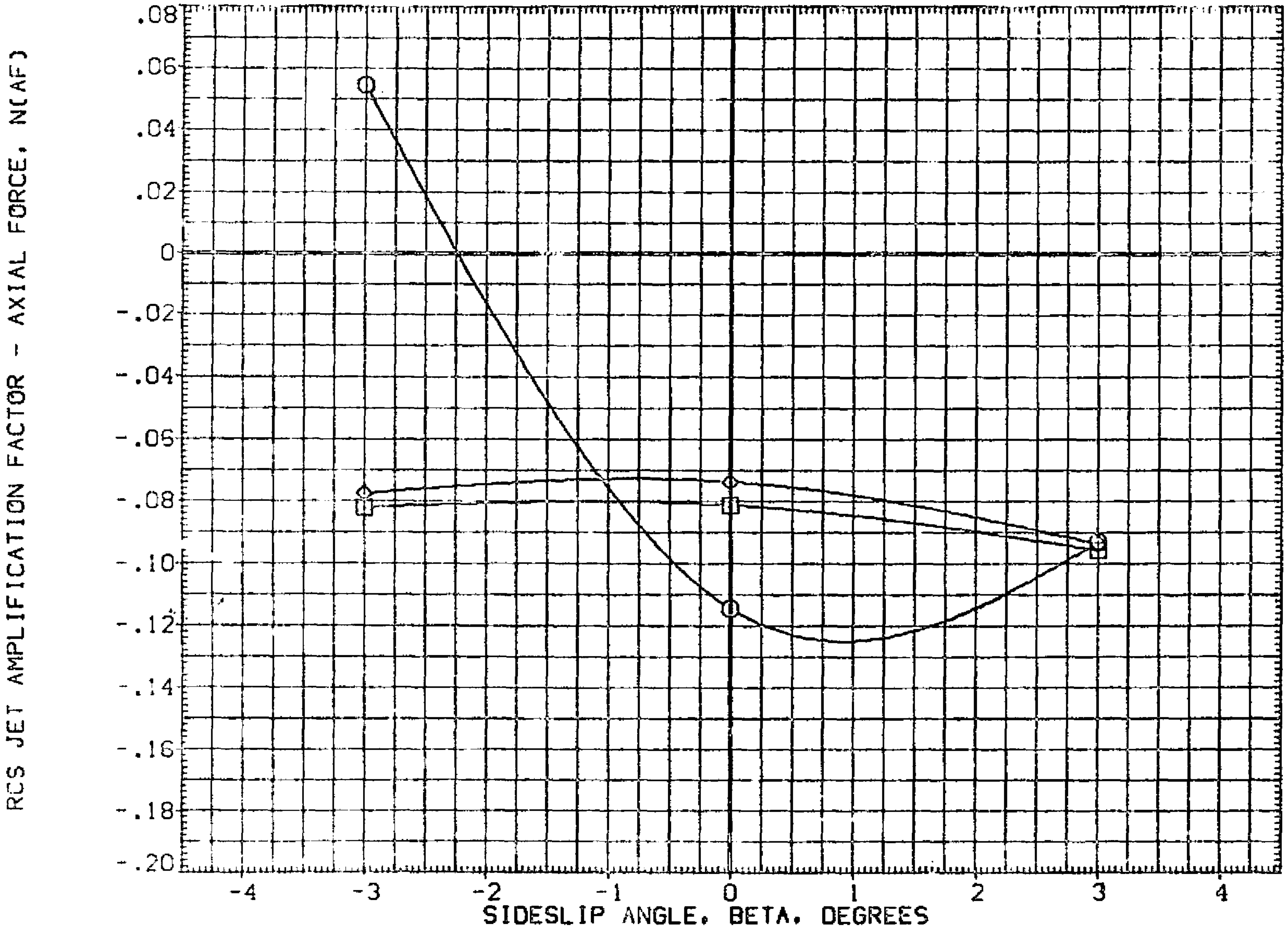

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

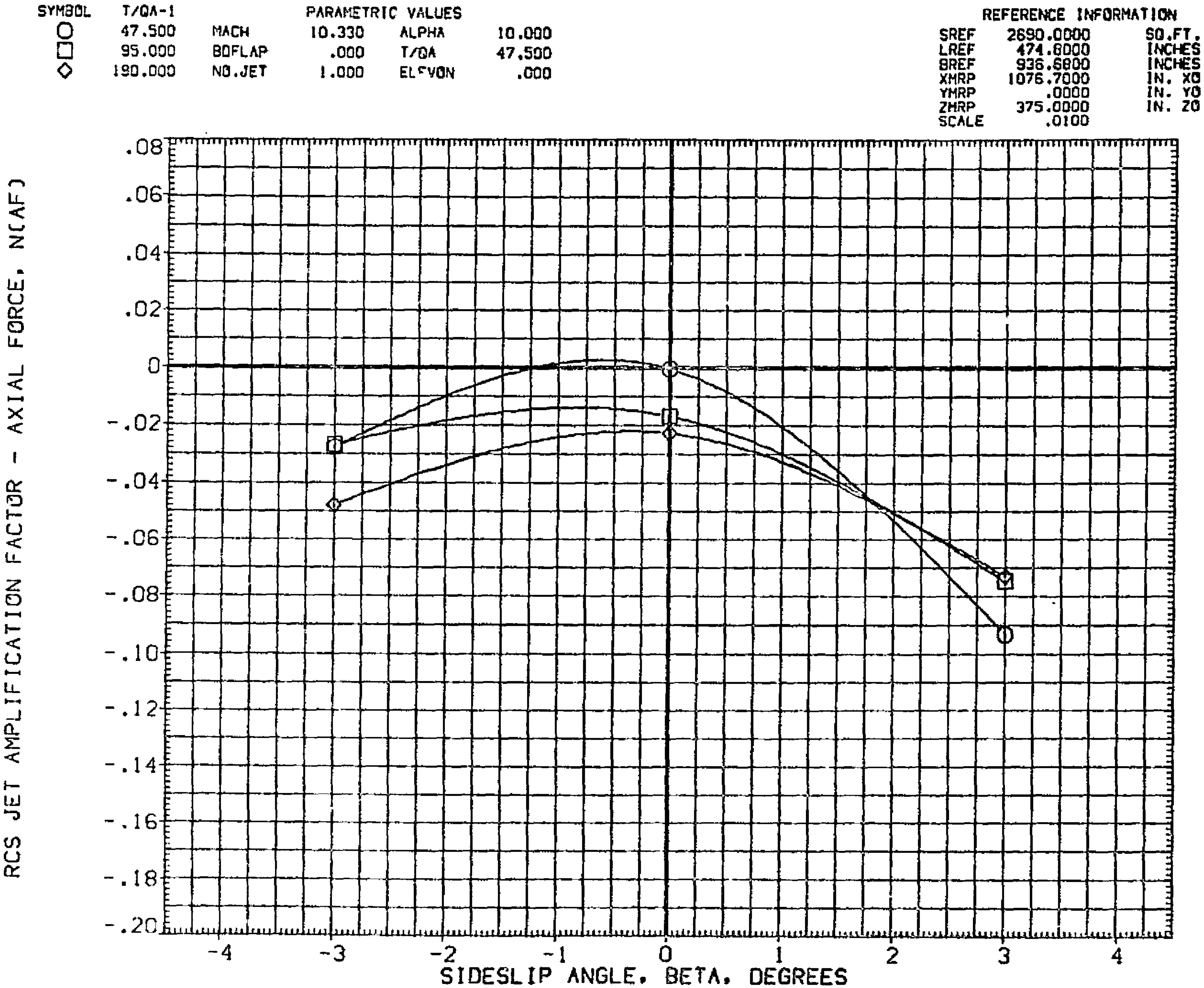

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 118 (MA-22) (CJA147)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

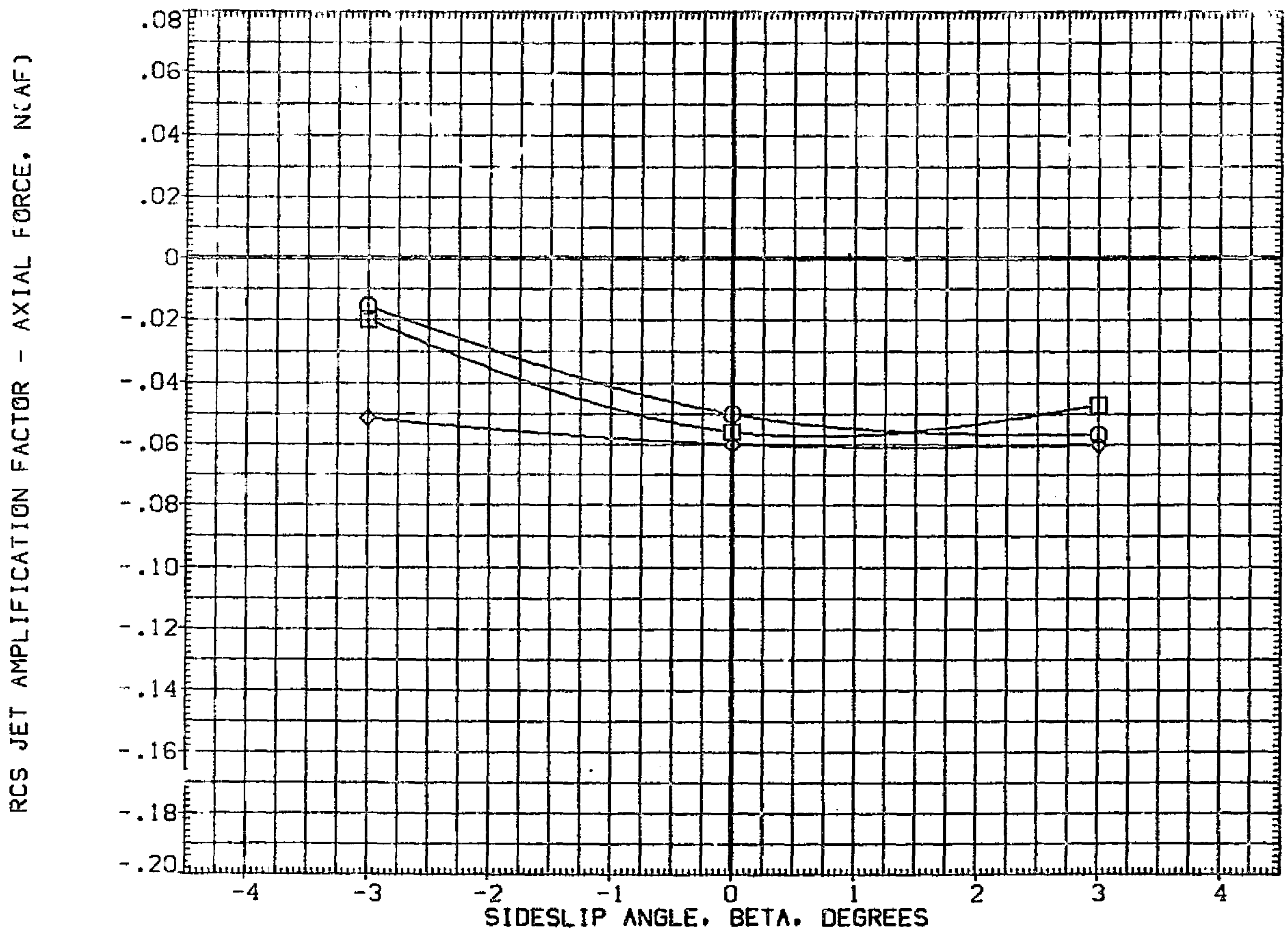

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 116 (MA-22) (CJA147)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

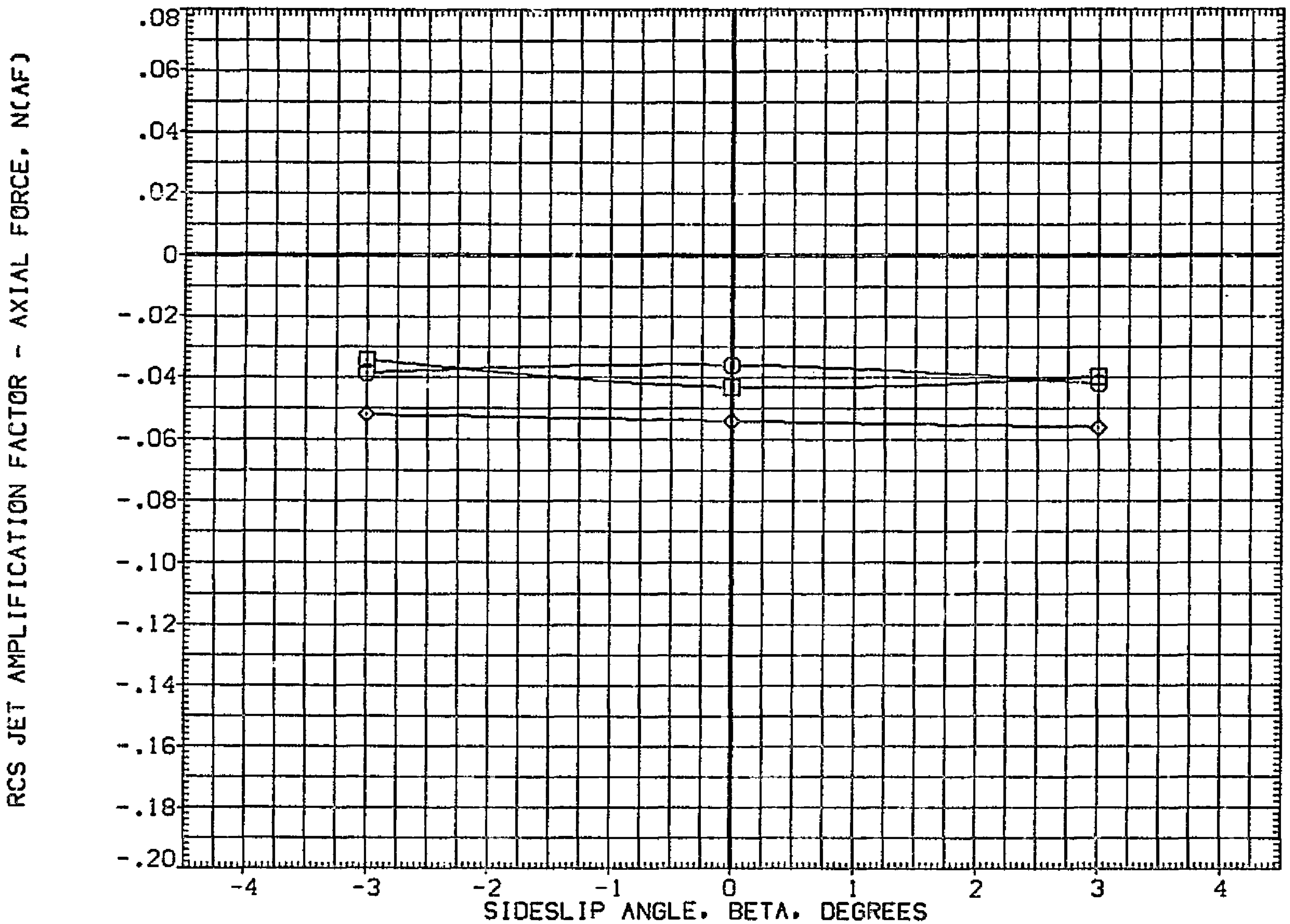

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

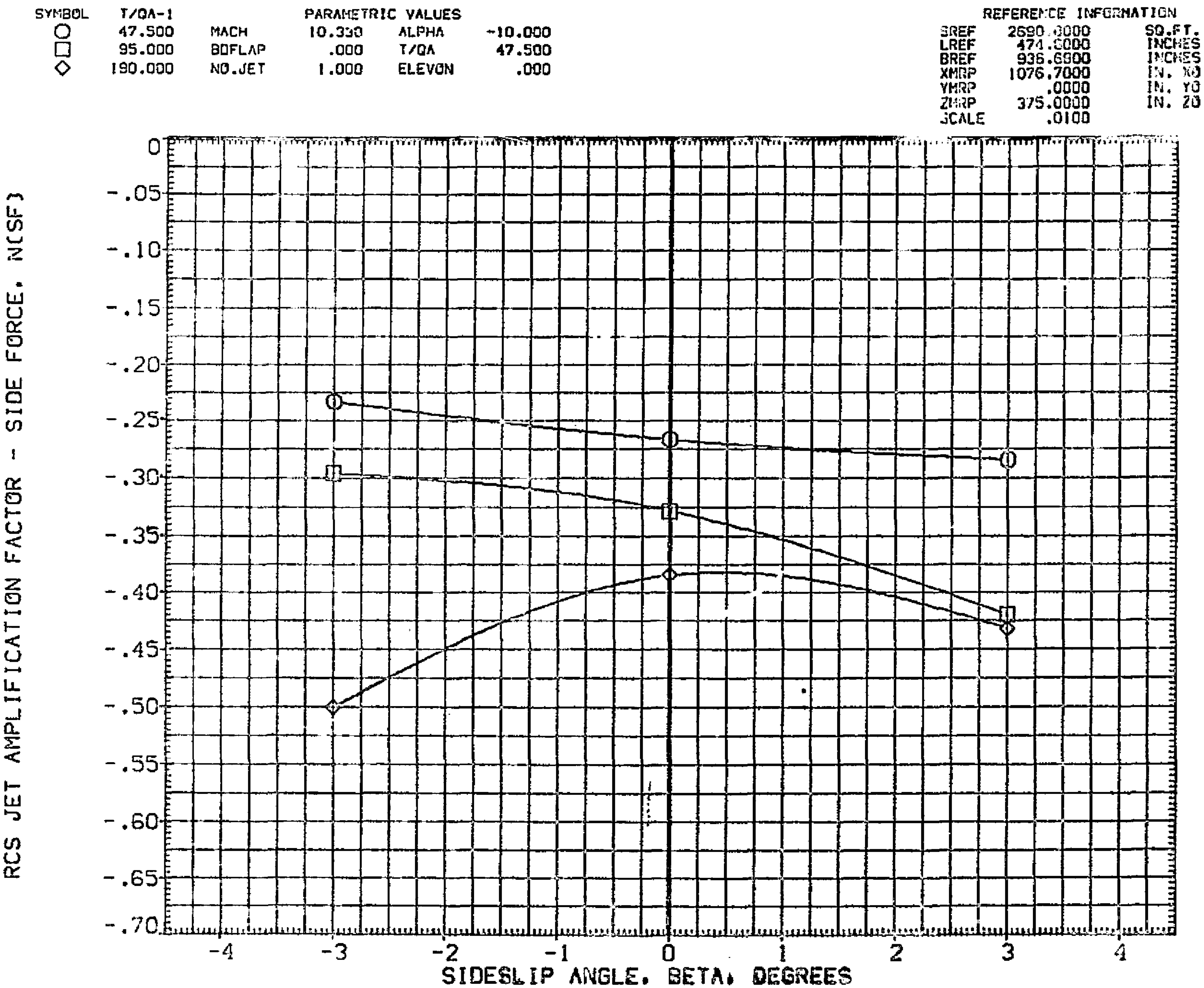

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

SYMBOL	T/QA-I		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

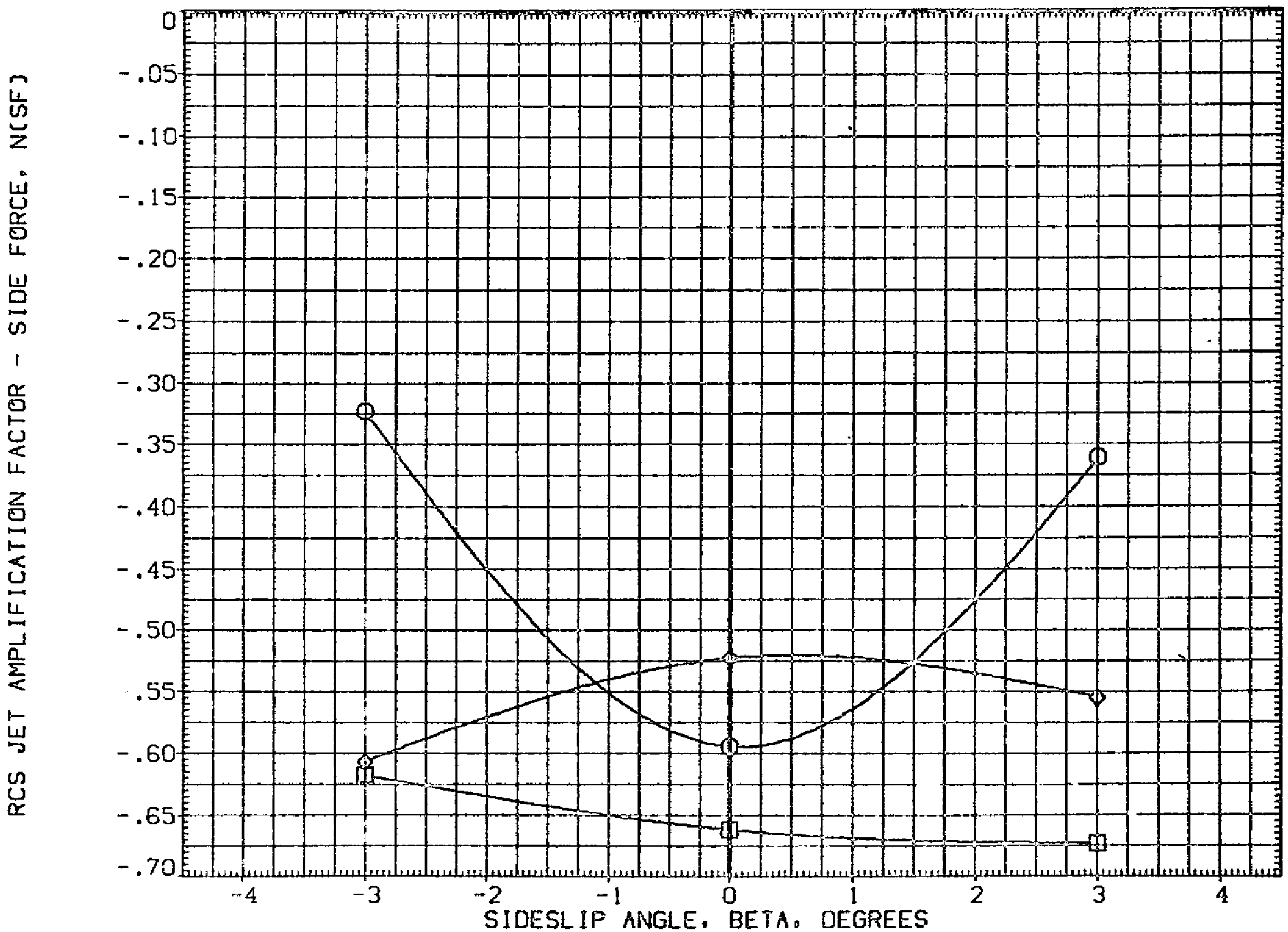

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

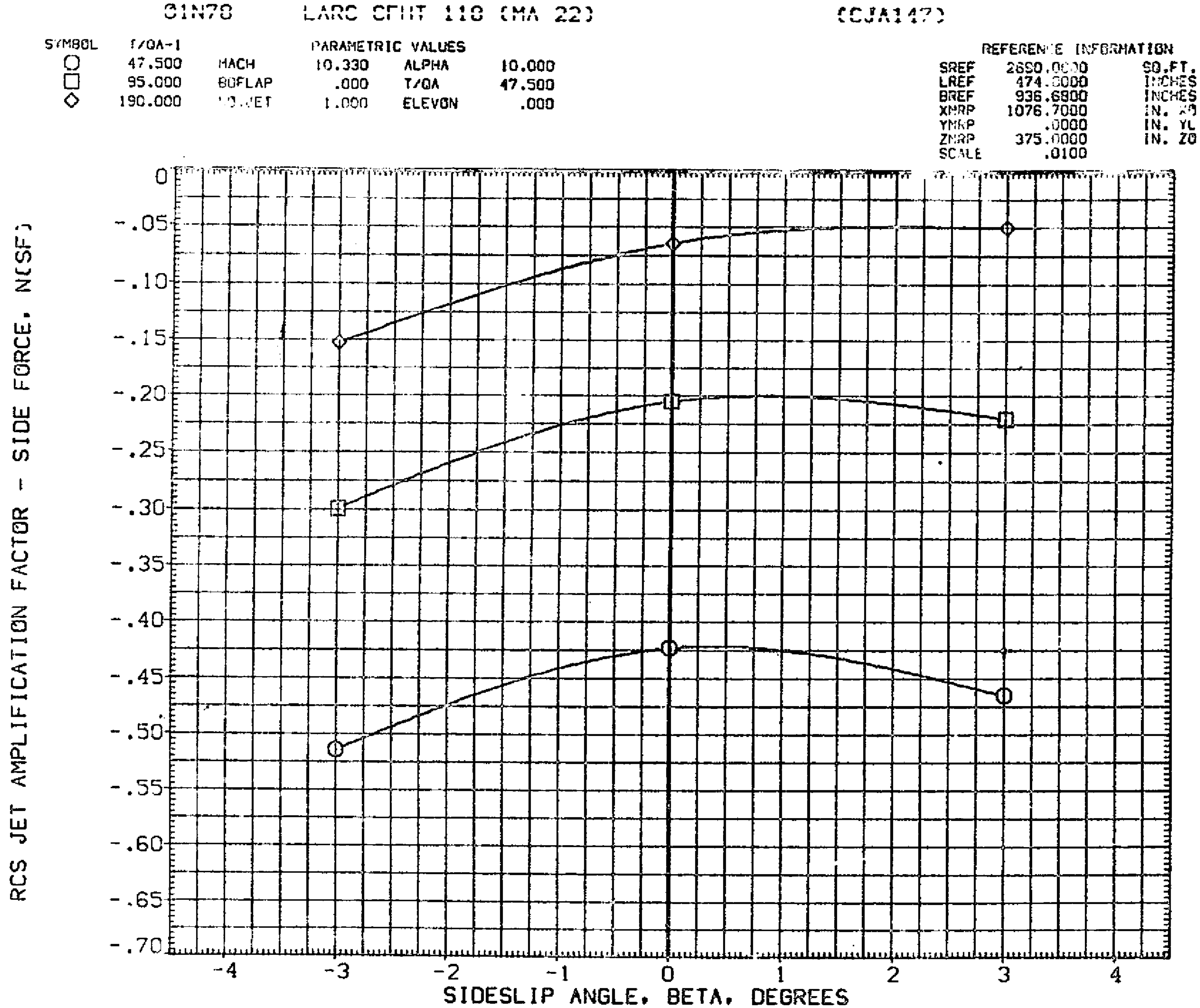

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 118 (MA-22) (CJA147)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

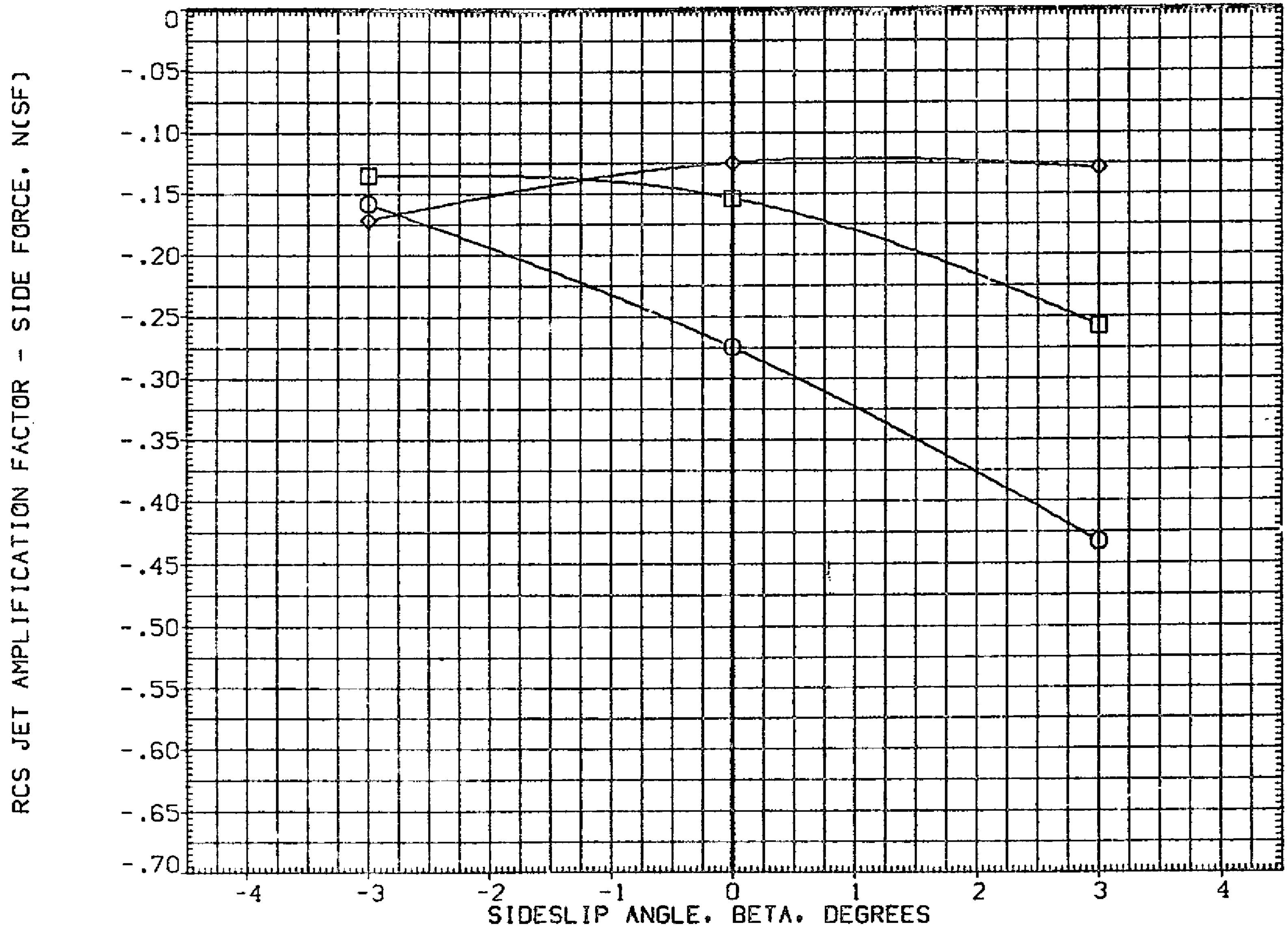

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N78 LARC CFHT 118 (MA-22) (CJA147)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	47.500
◇	190.000	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

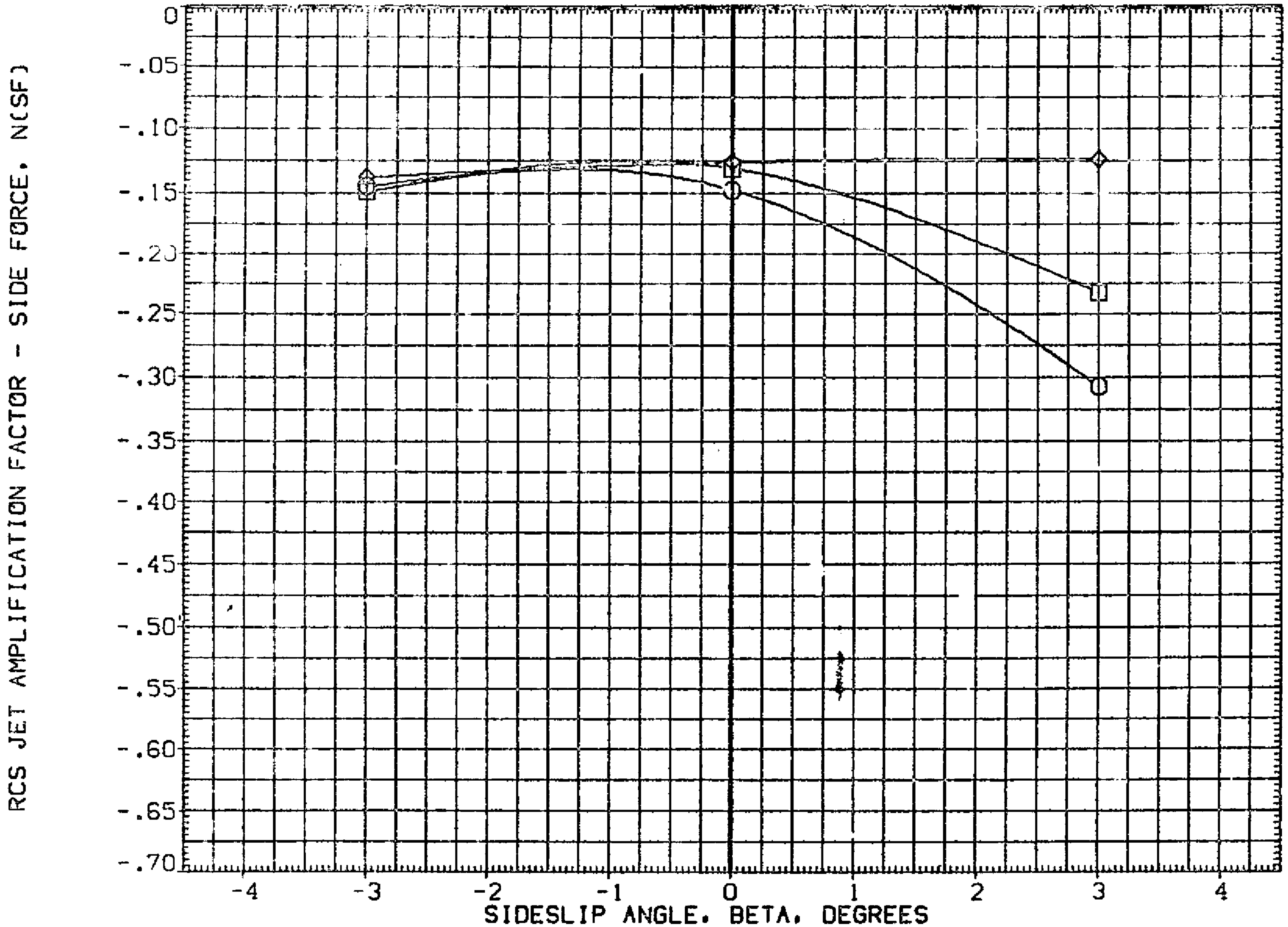

FIGURE 85. AMPLIFICATION FACTOR IN YAW, N78 JETS

01N52 LARC CFHT 118 (MA-22) (CJA156)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

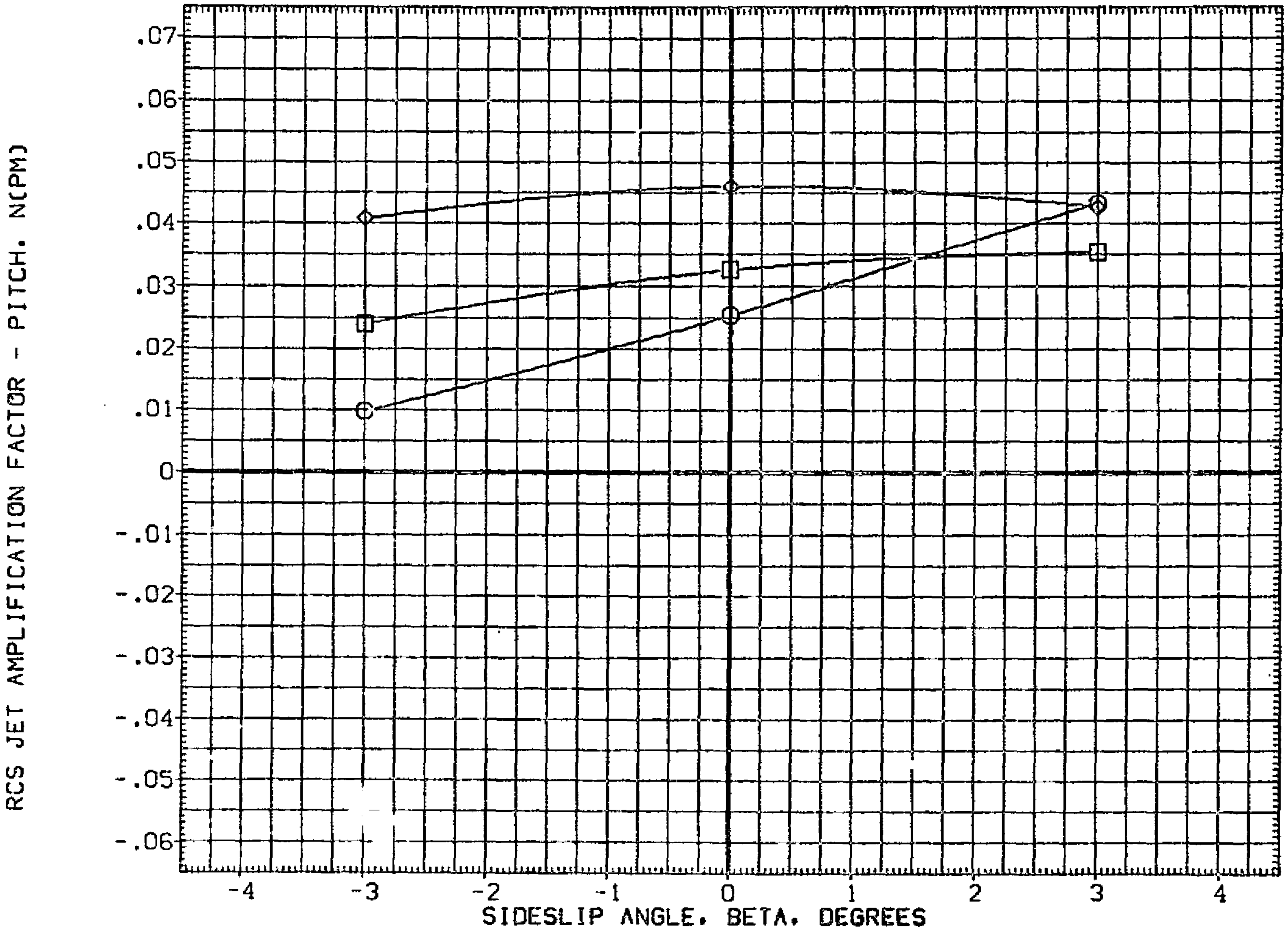

FIGURE 86. AMPLIFICATION FACTOR IN YAW. N52 JETS

SYMBOL	T/QA-1				
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
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YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

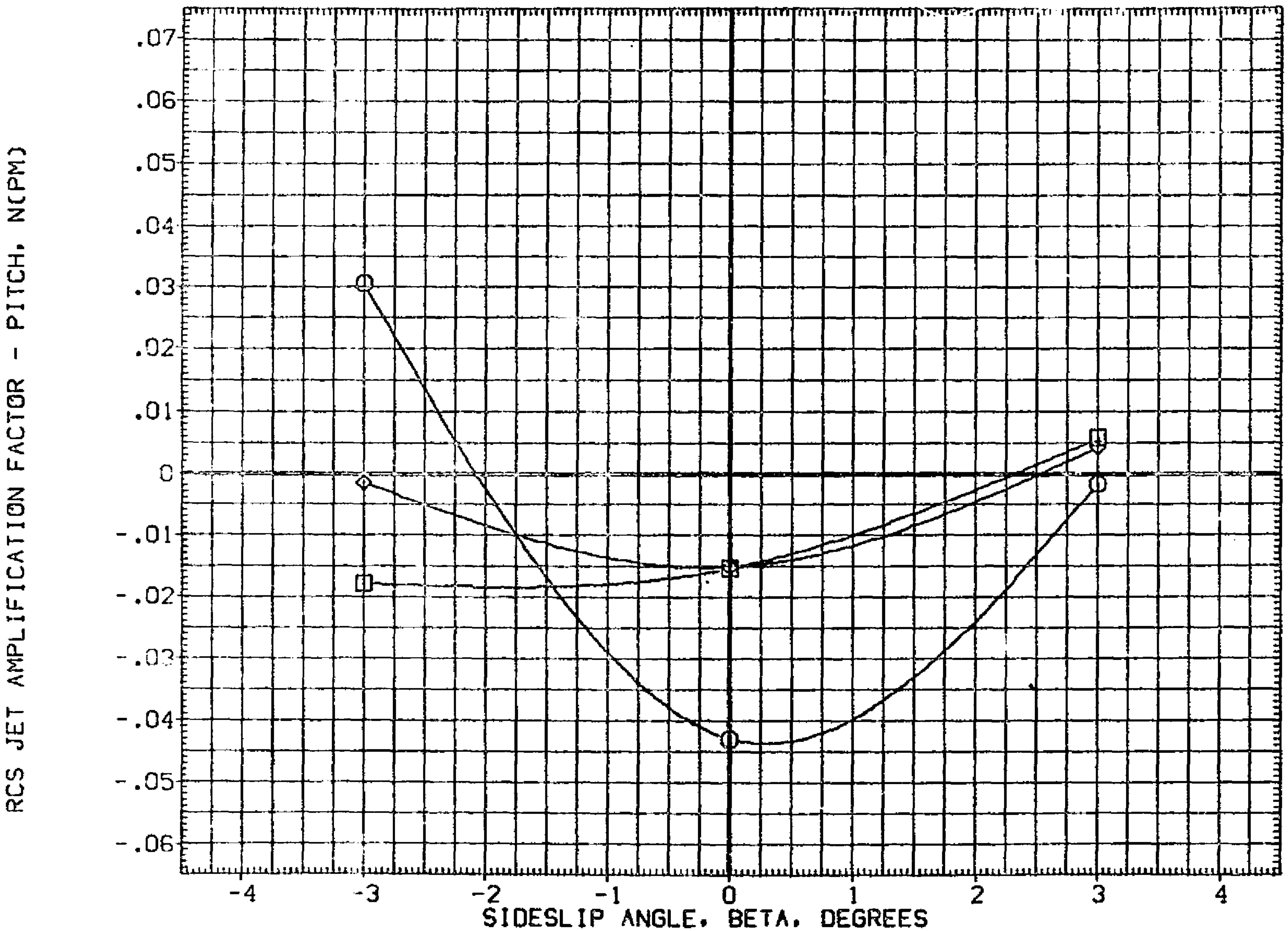

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

01N52 LARC CFHT 118 (MA-22) (CJA156)

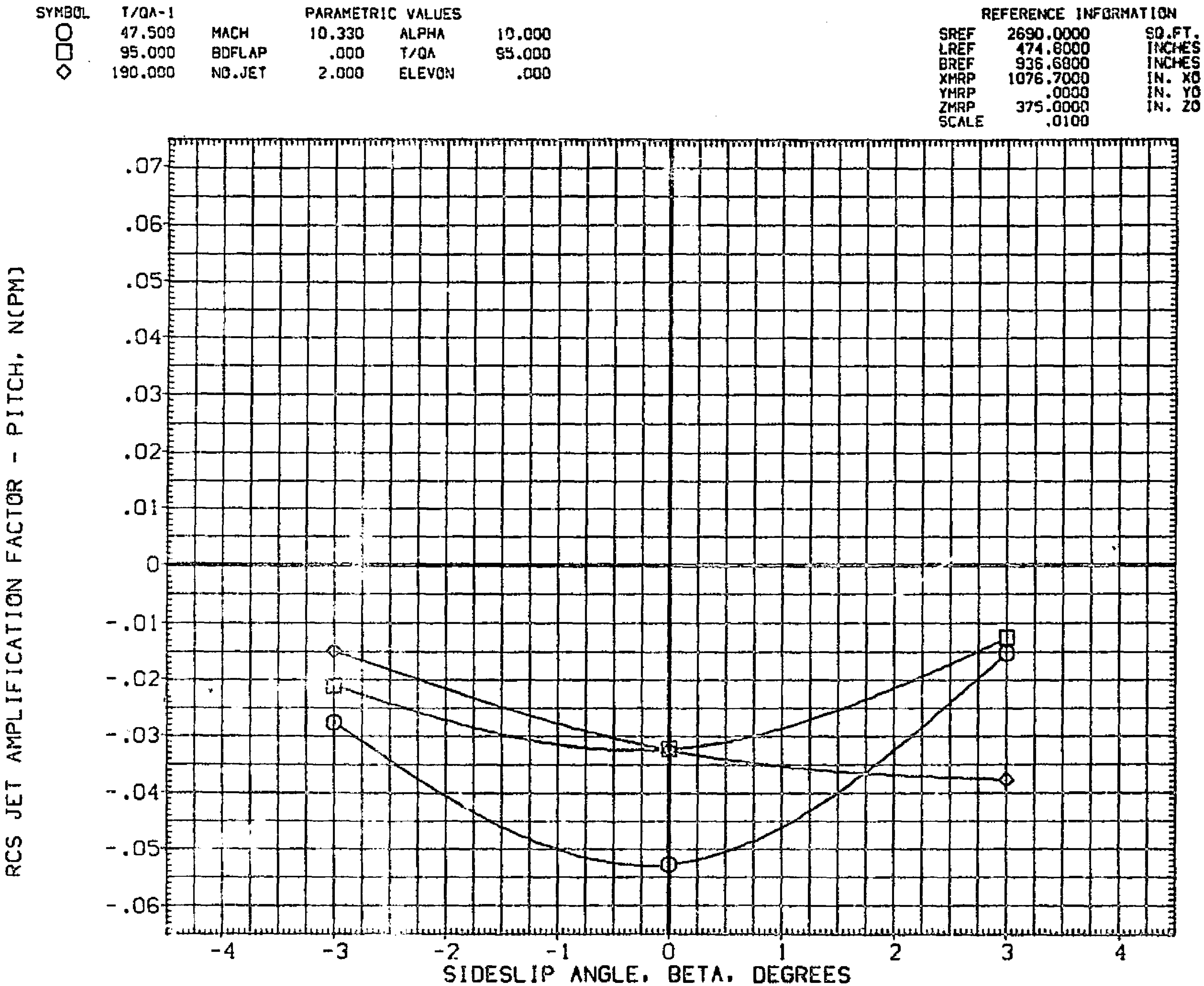

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

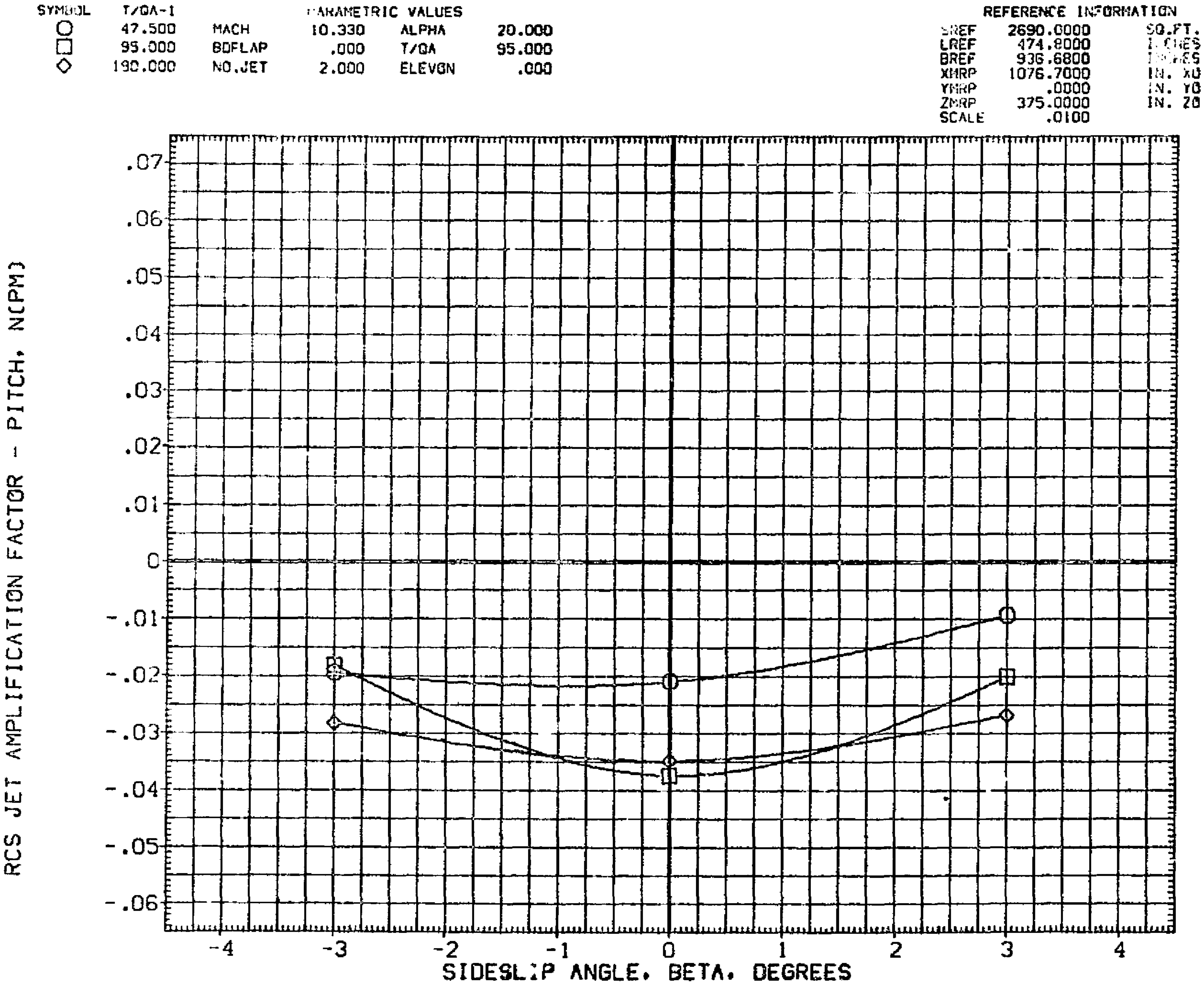

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

01N52 LARC CFHT 118 (MA 22) (CJA156)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
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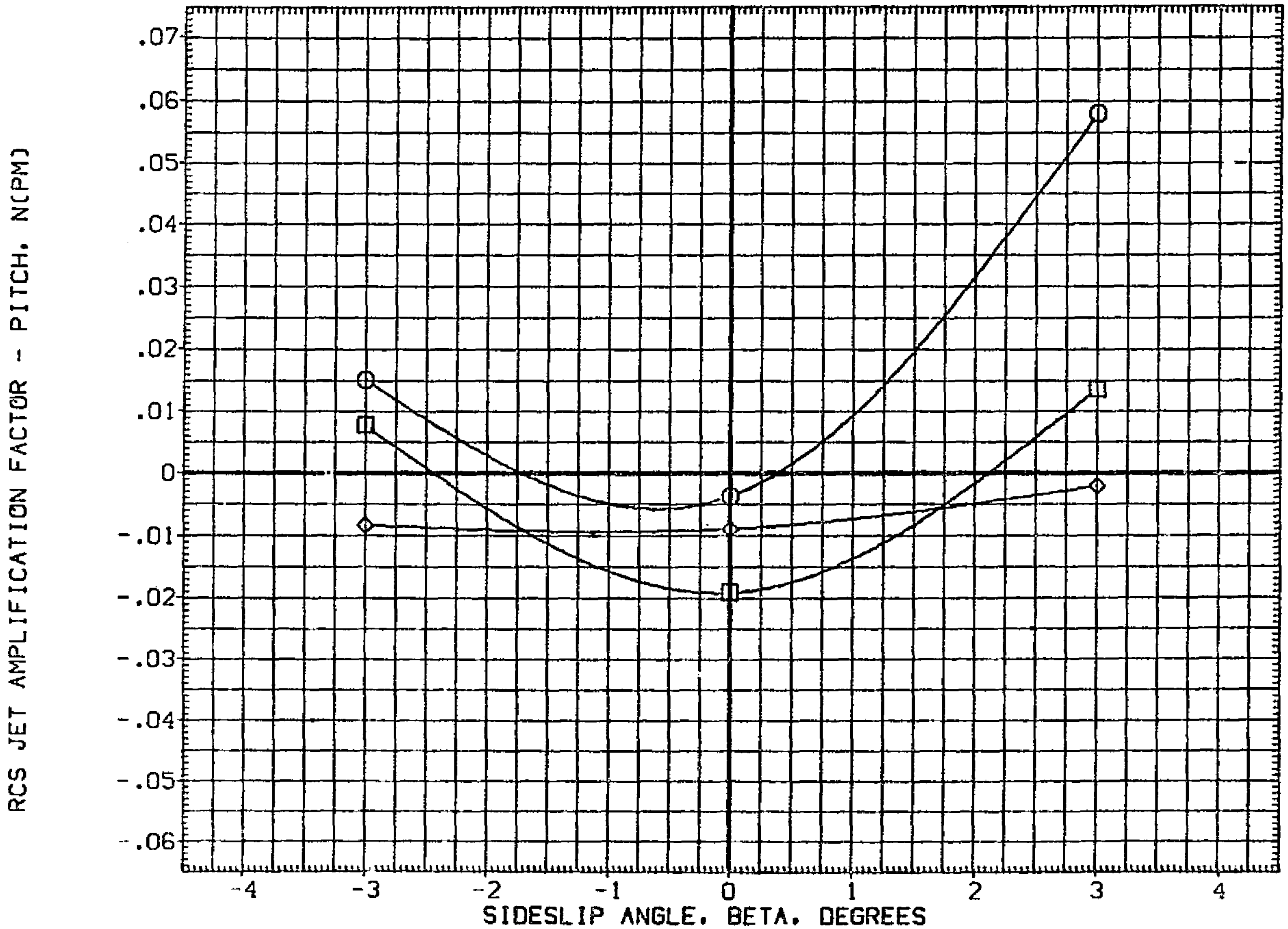

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

01N52 LARC CFHT 118 (MA-22) (CJA 56)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

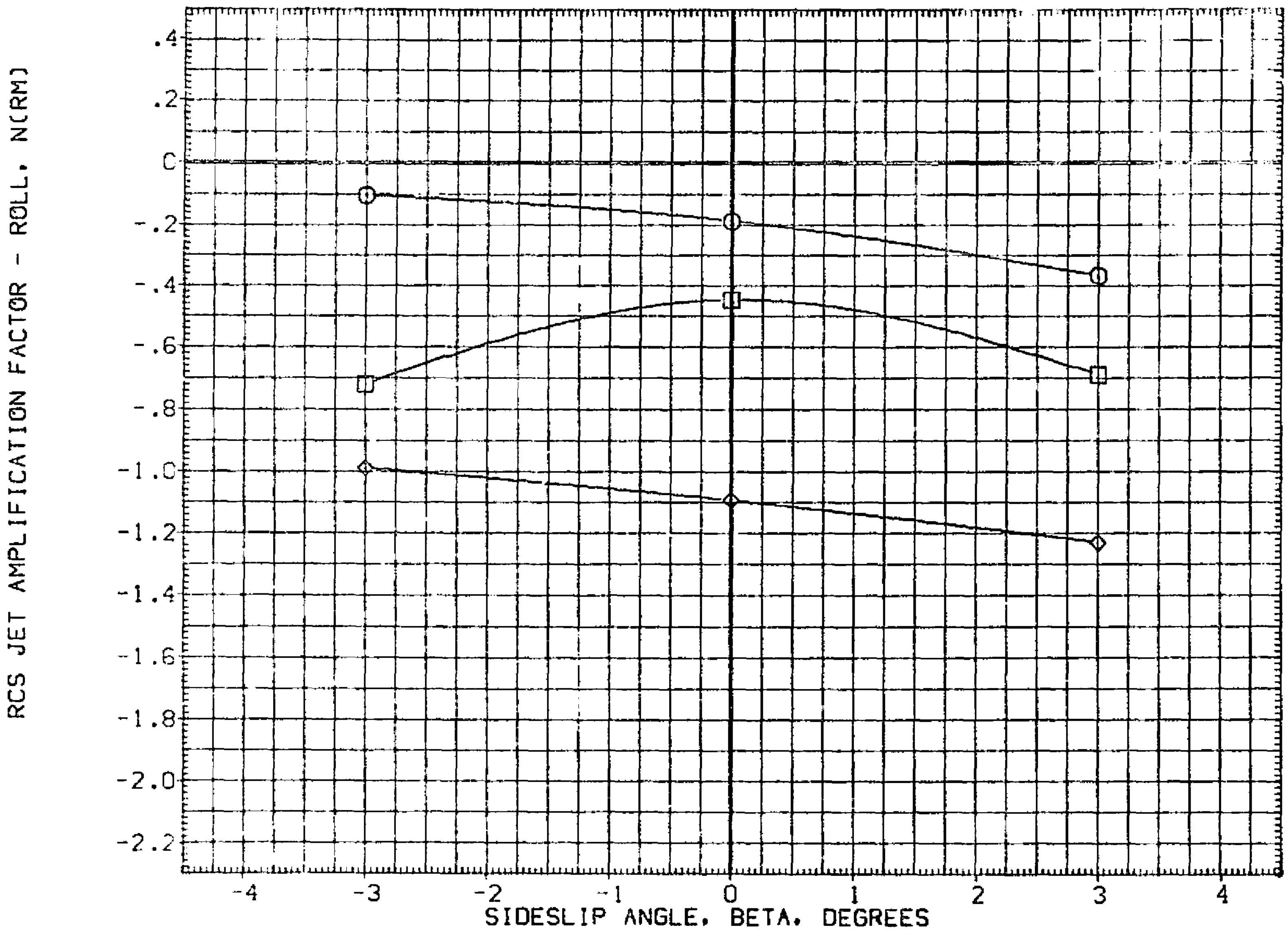

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

01N52 LARC CFHT 118 (MA-22) (CJA156)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.030
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

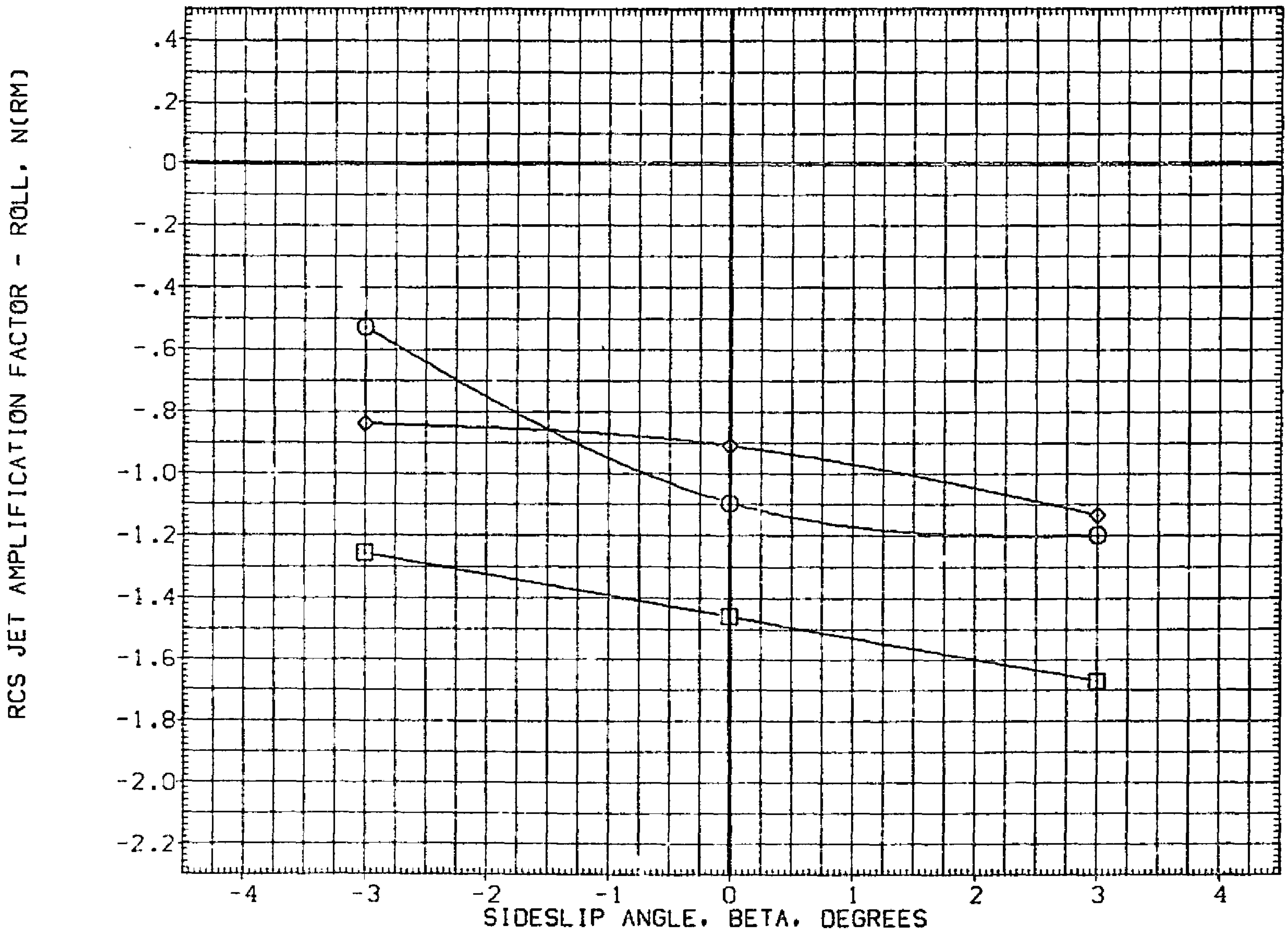


FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

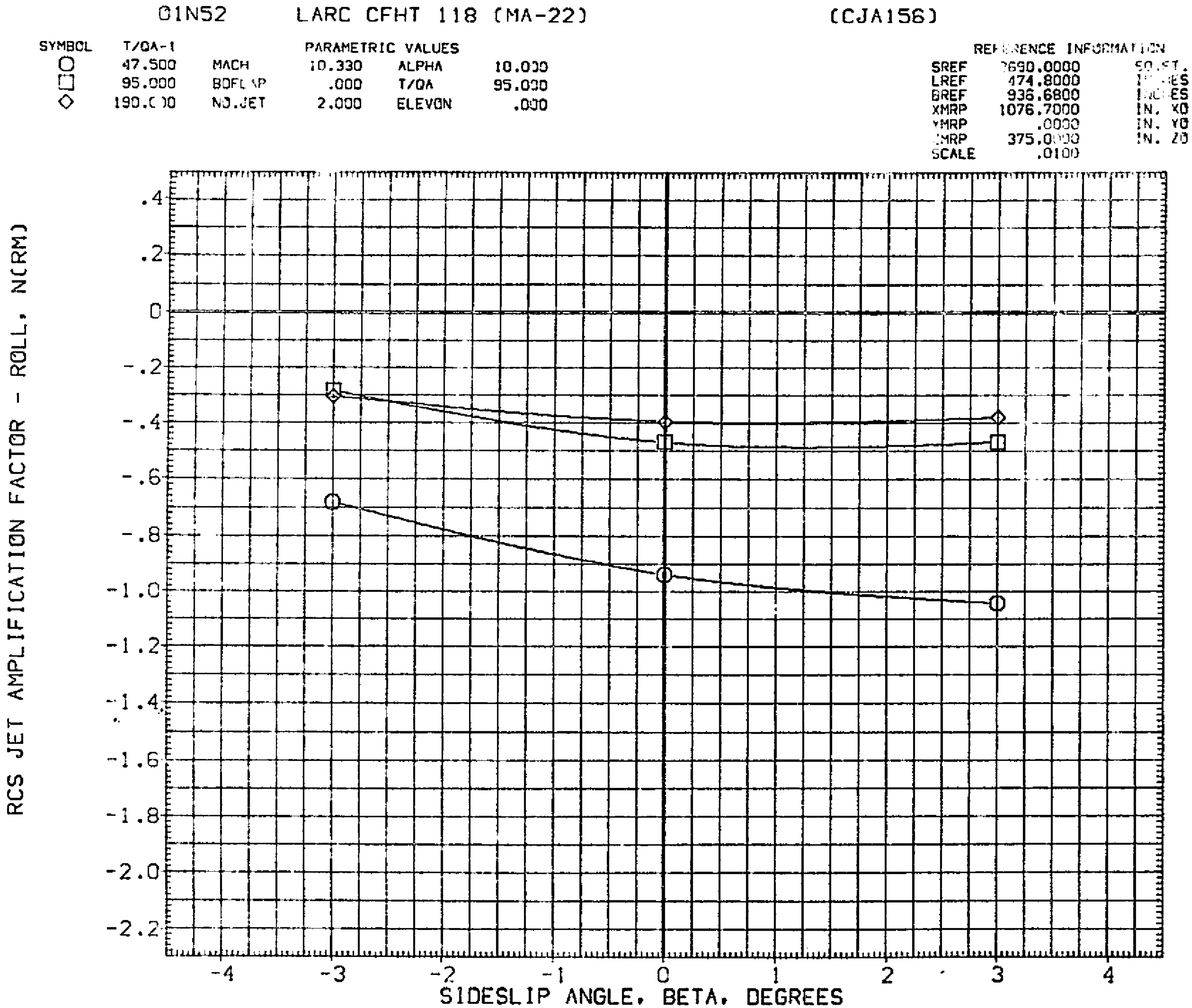


FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

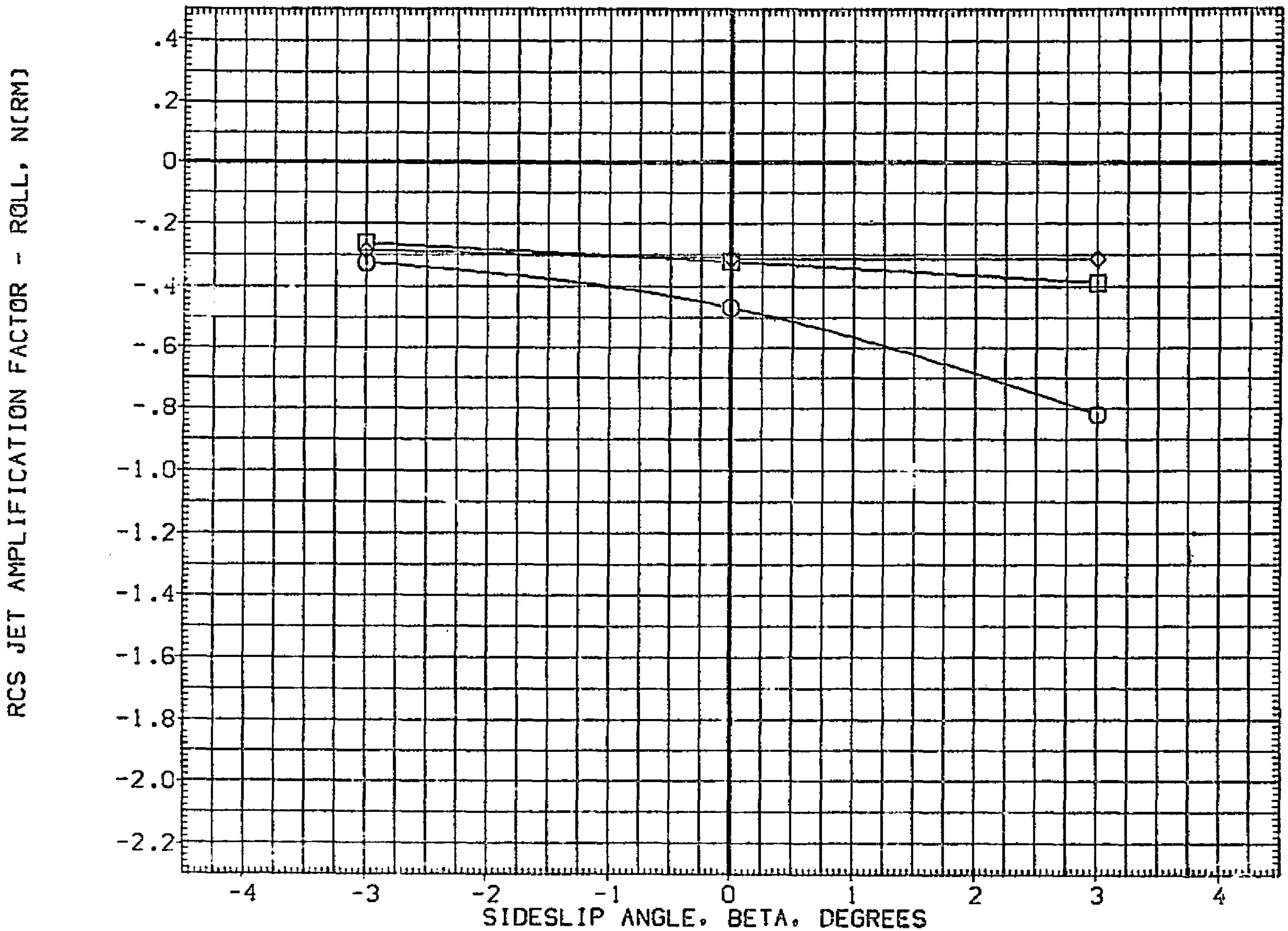


FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

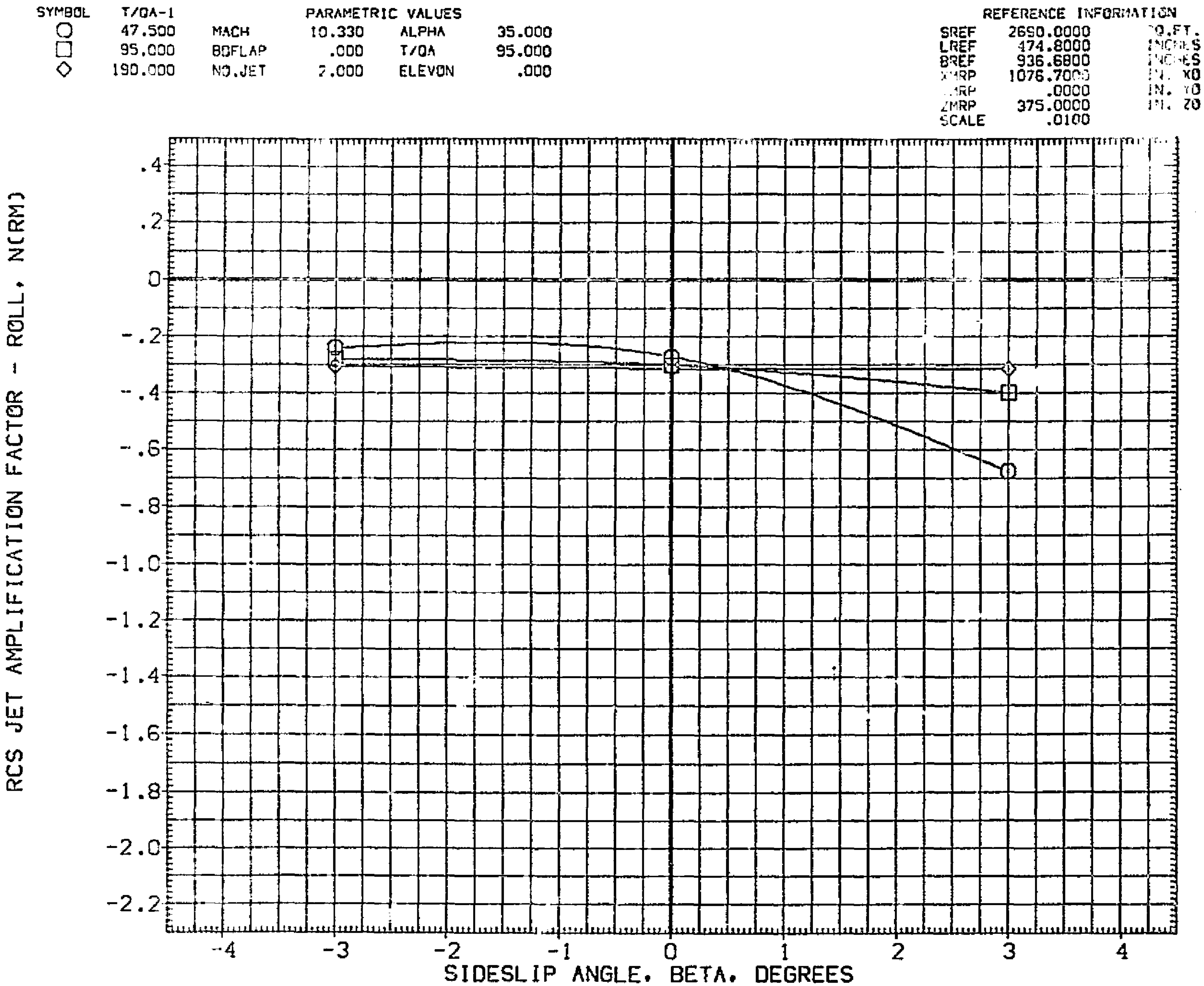
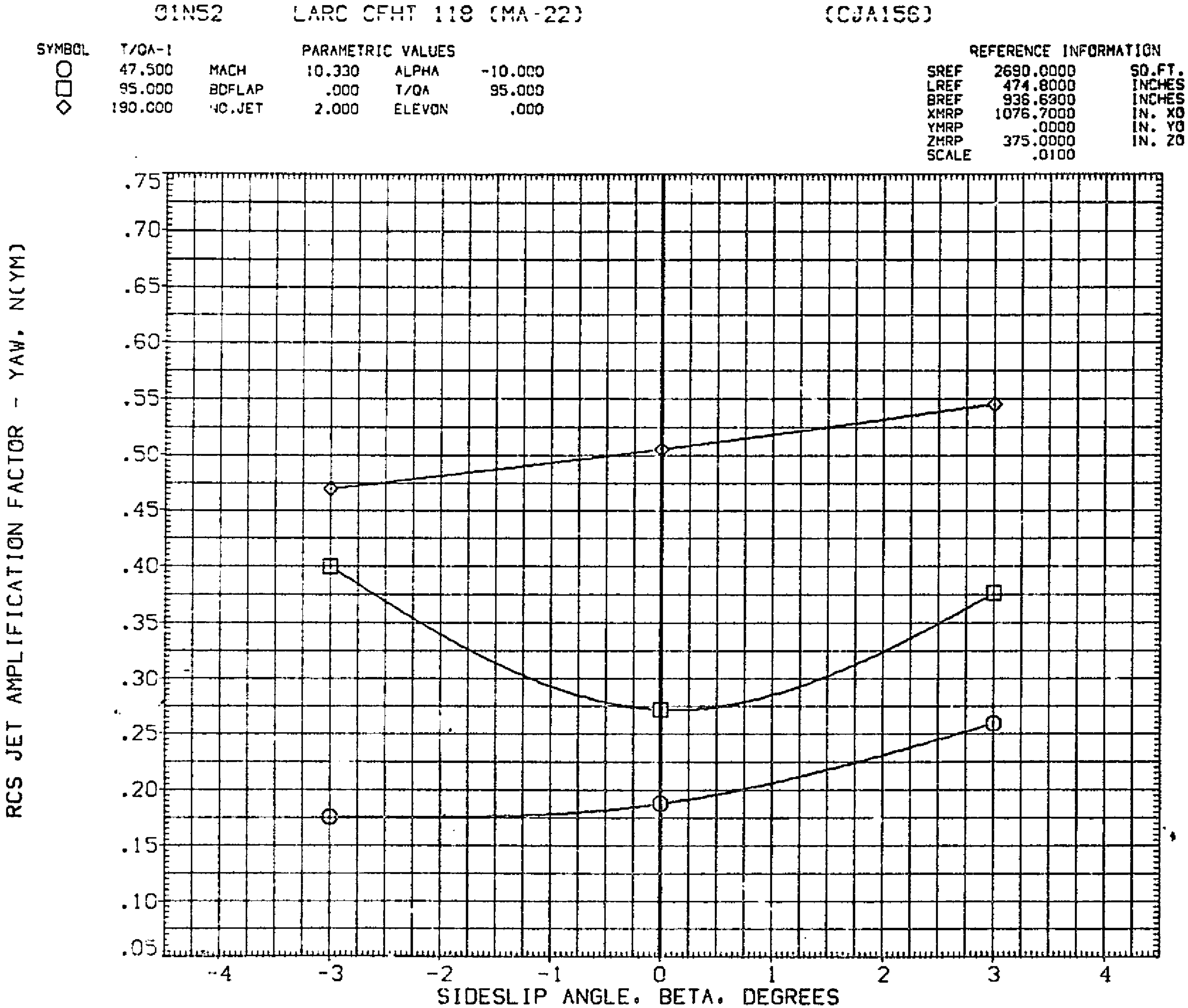


FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS



SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	5?0.0000	SQ.FT.
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BREF	936.6800	INCHES
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

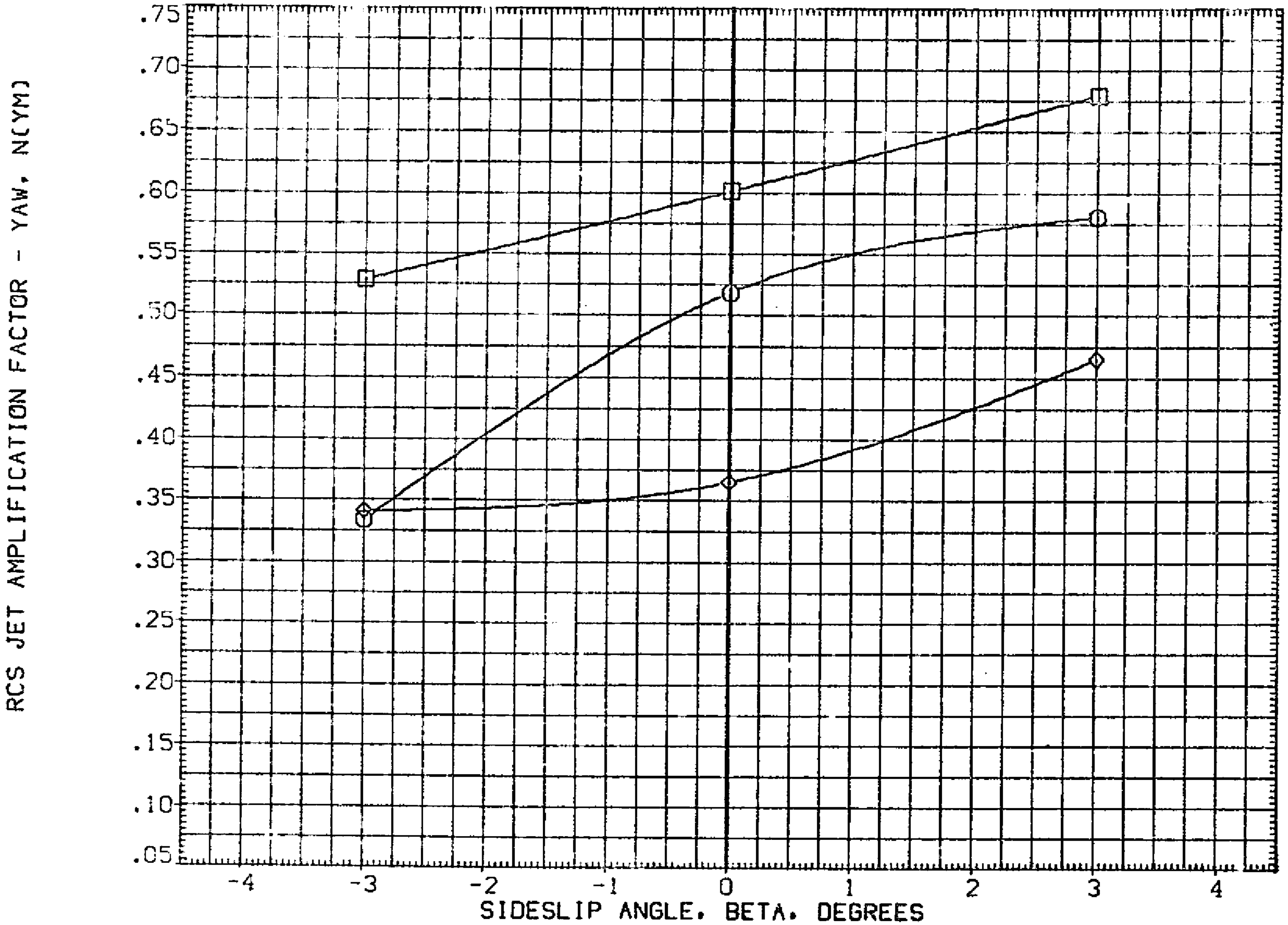

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

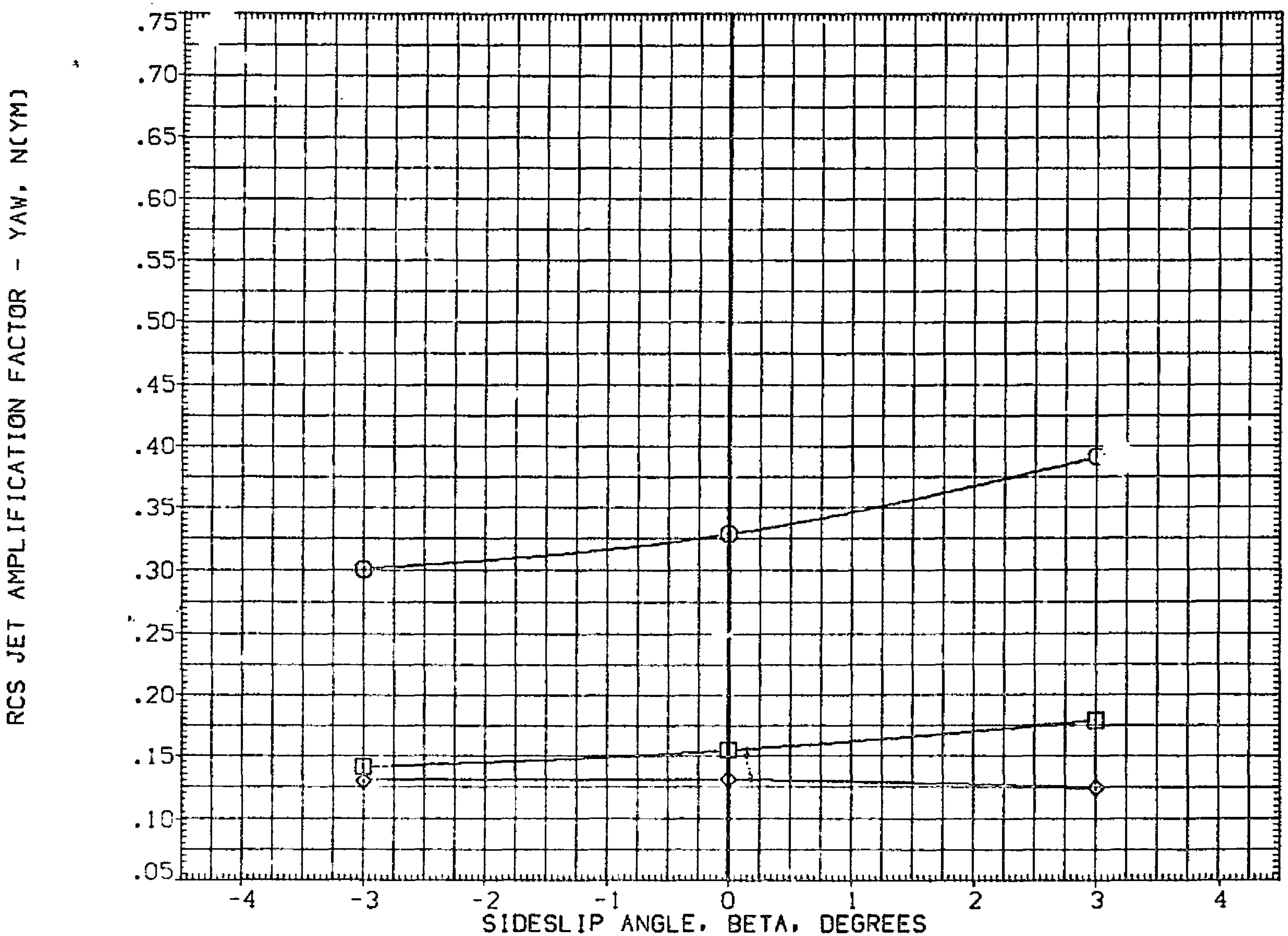

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	N.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	[illegible]
LREF	474.8000	[illegible]
BREF	936.6800	[illegible]
XMRP	1076.7000	[illegible]
YMRP	.0000	[illegible]
ZMRP	375.0000	IN. ZO
SCALE	.0100	

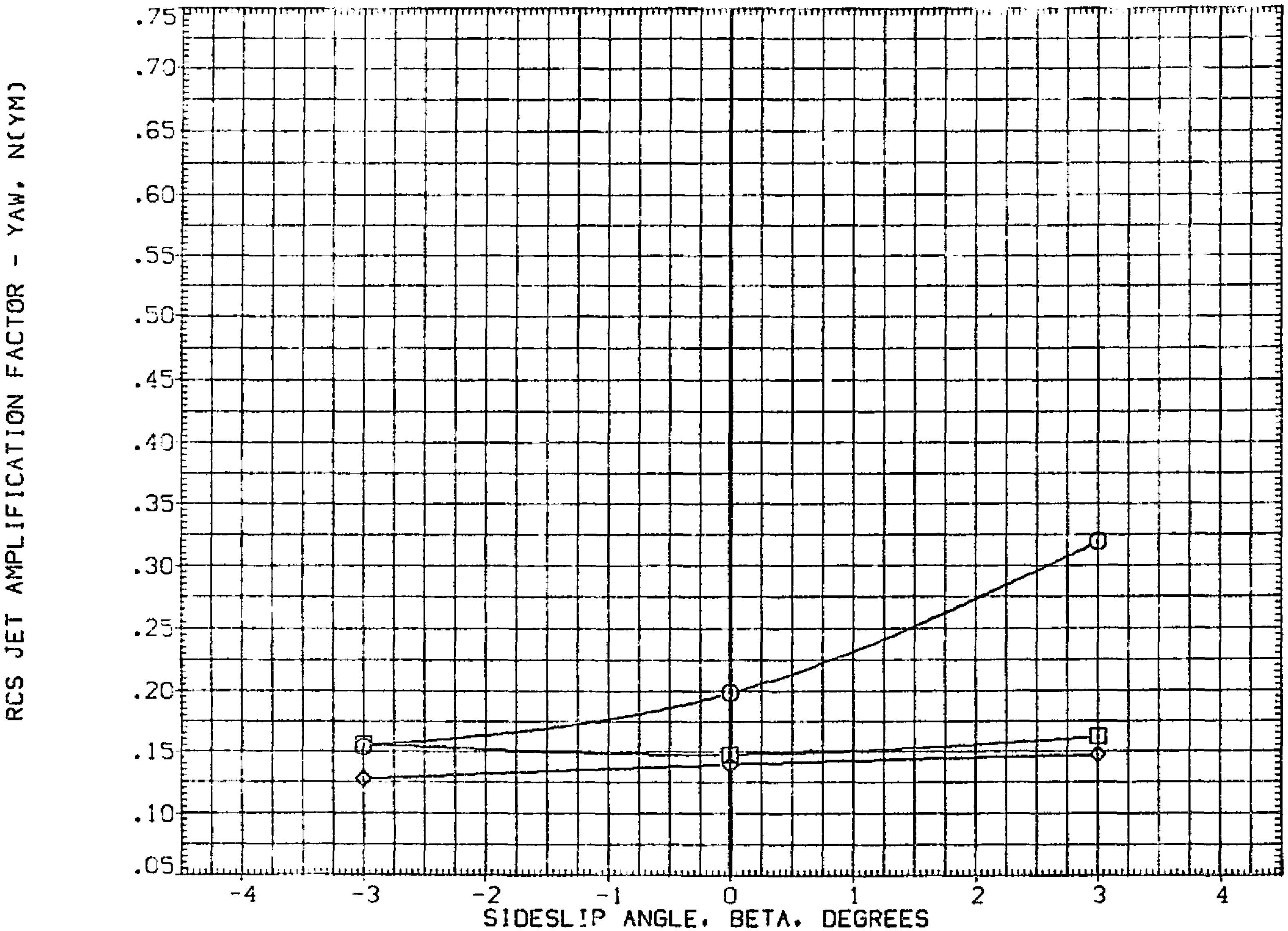

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

01N52 LARC CFHT 118 (MA-22) (CJA156)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

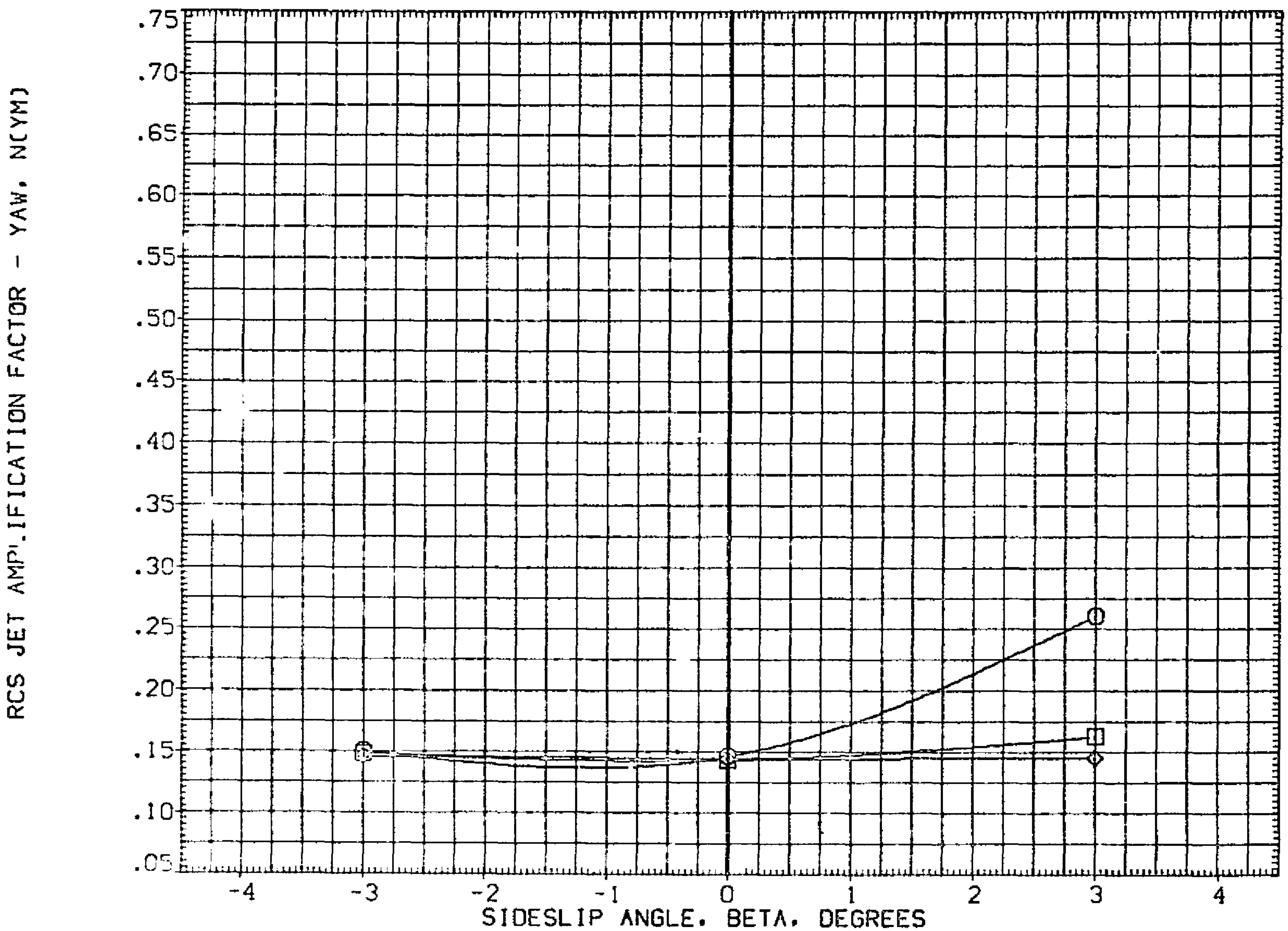

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

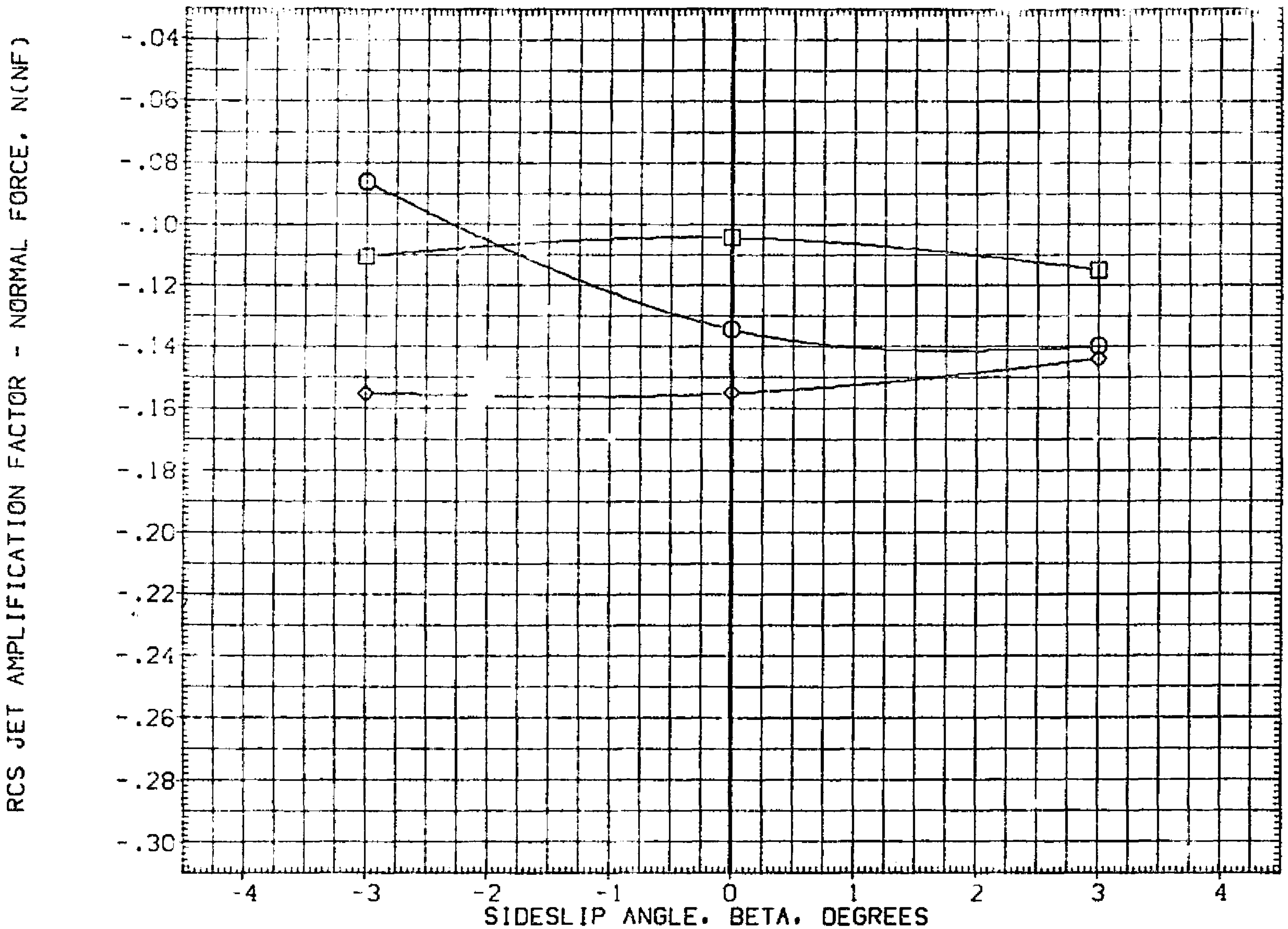

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

0IN52 LARC CFHT 118 (MA-22) (CJA156)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

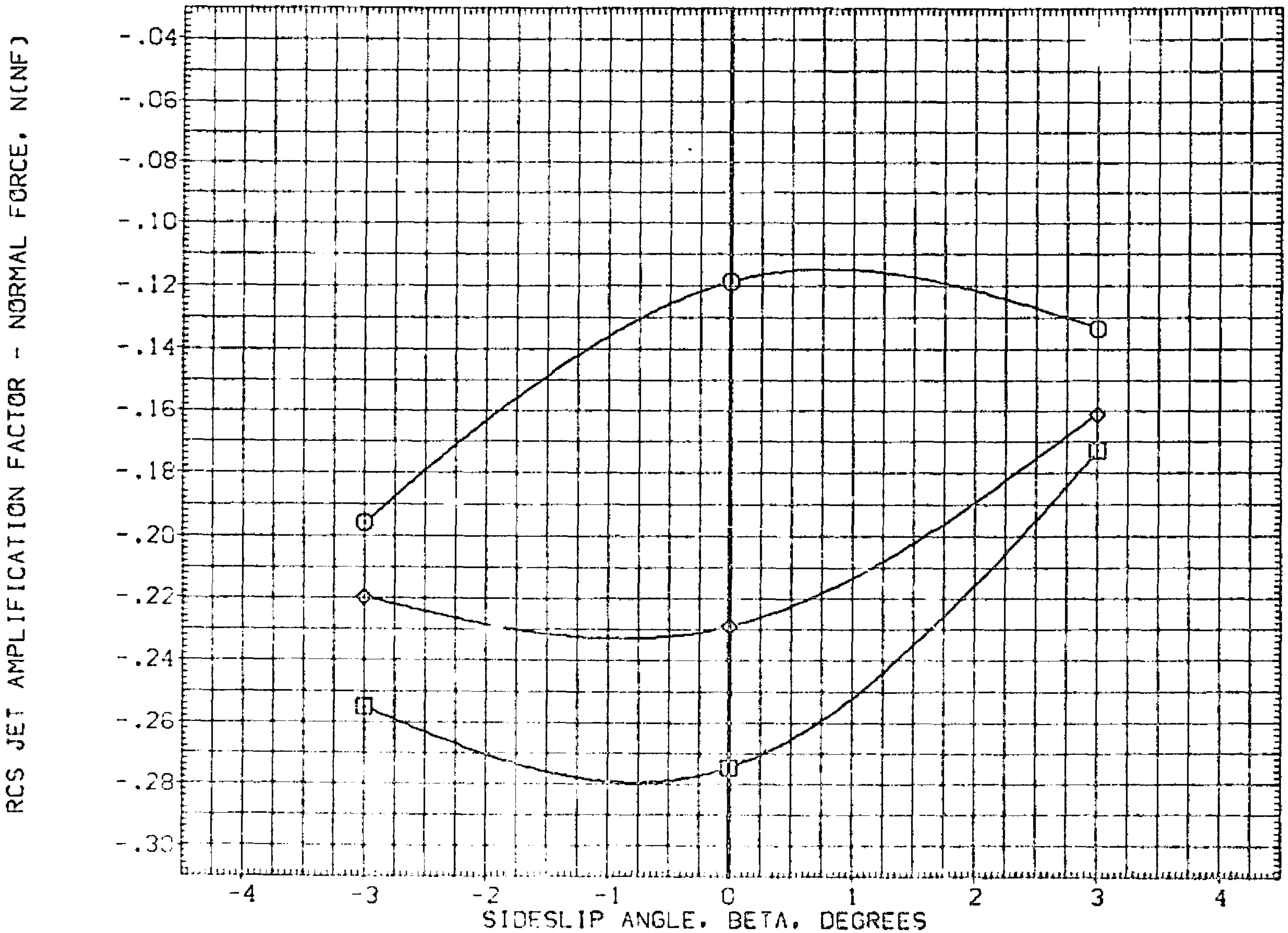

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

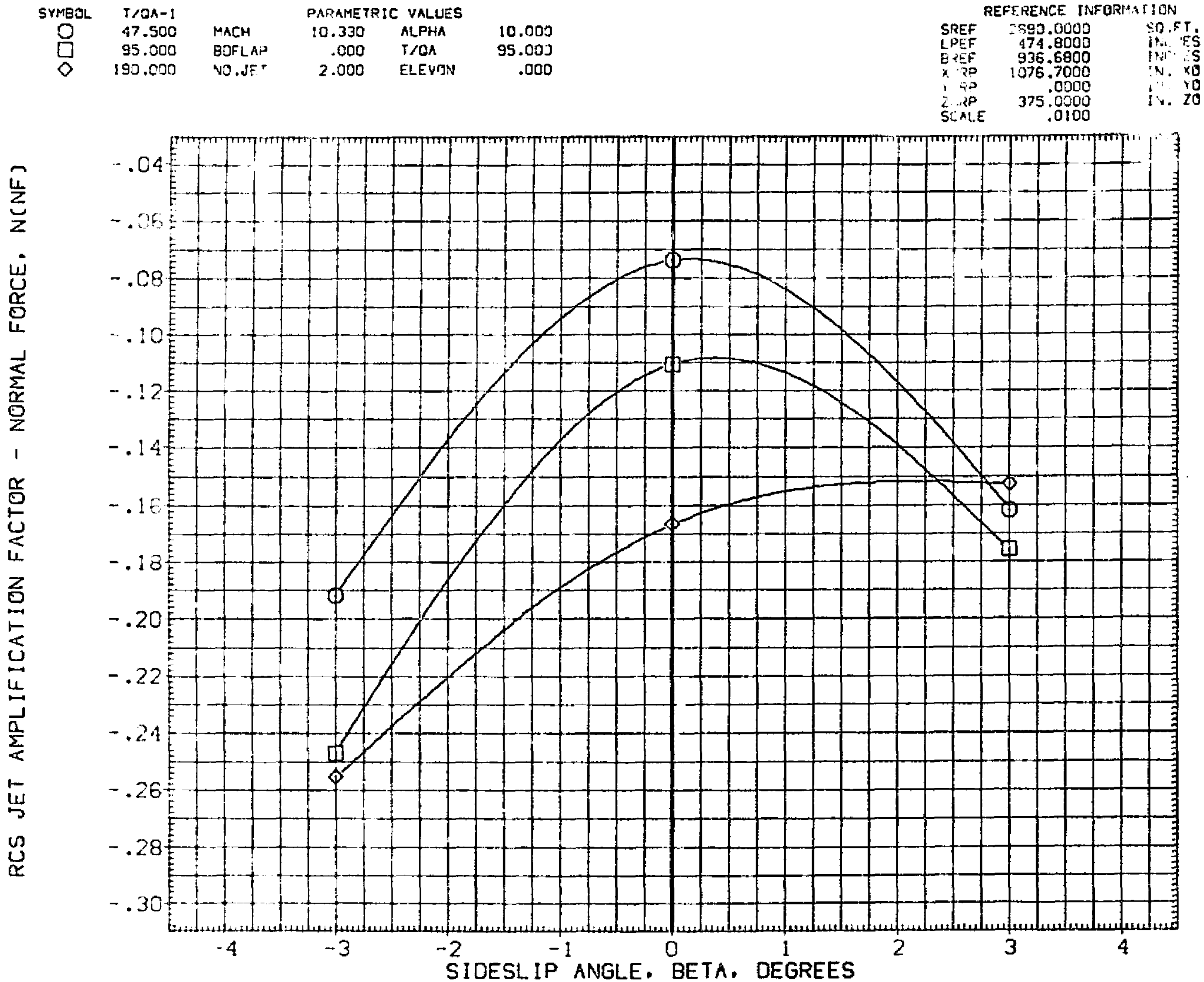

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

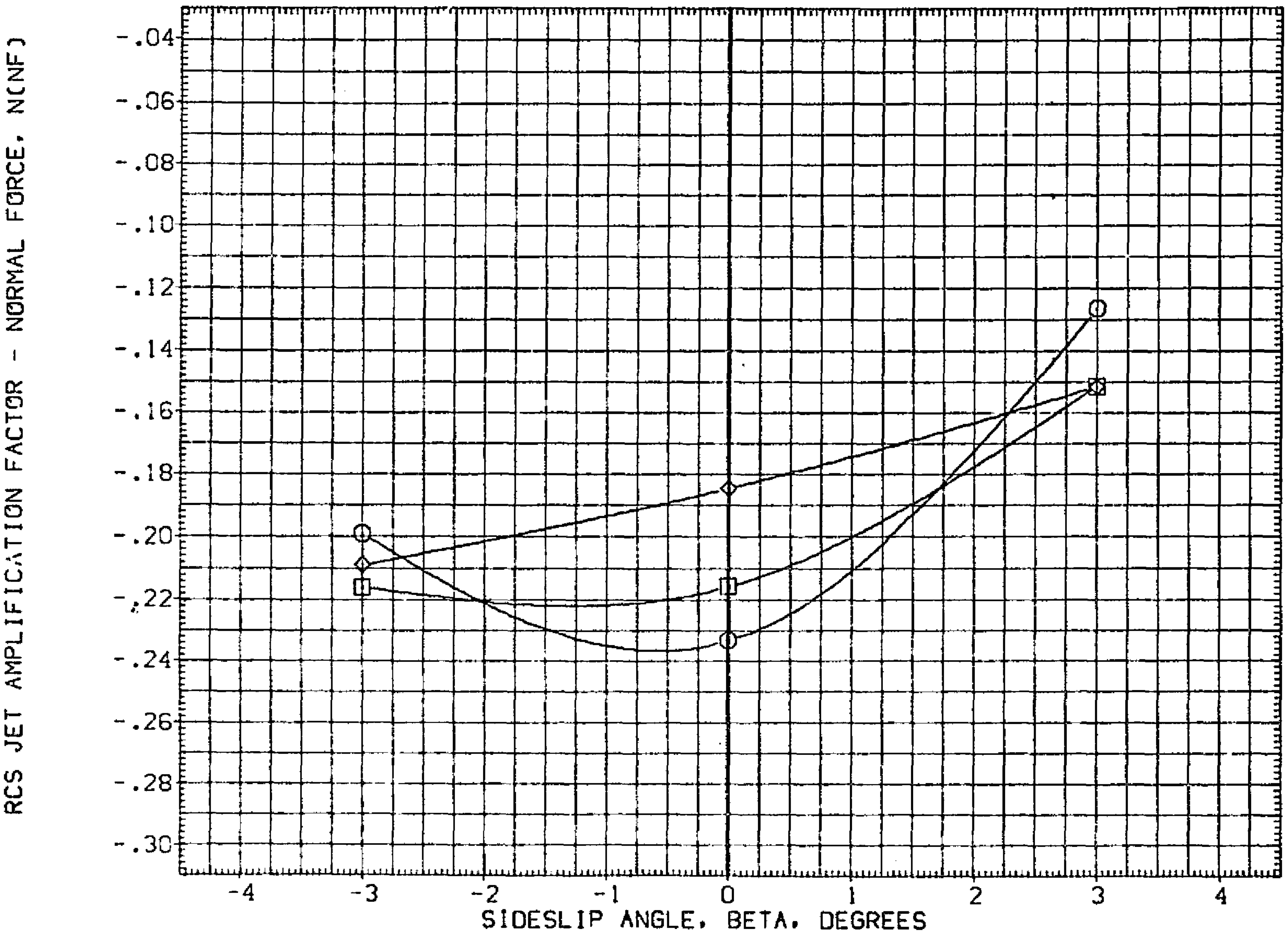

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

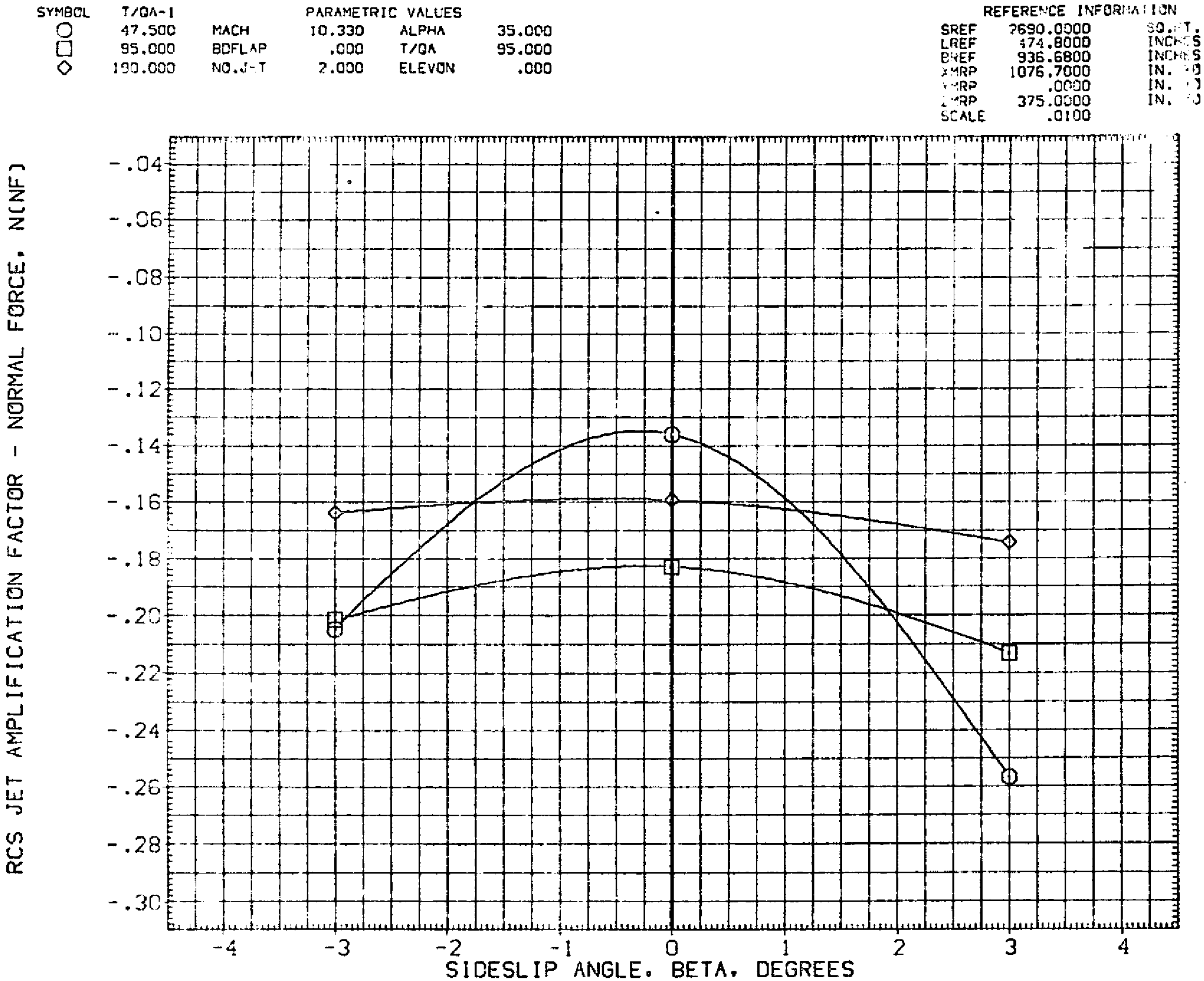

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1				
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

PARAMETRIC VALUES

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

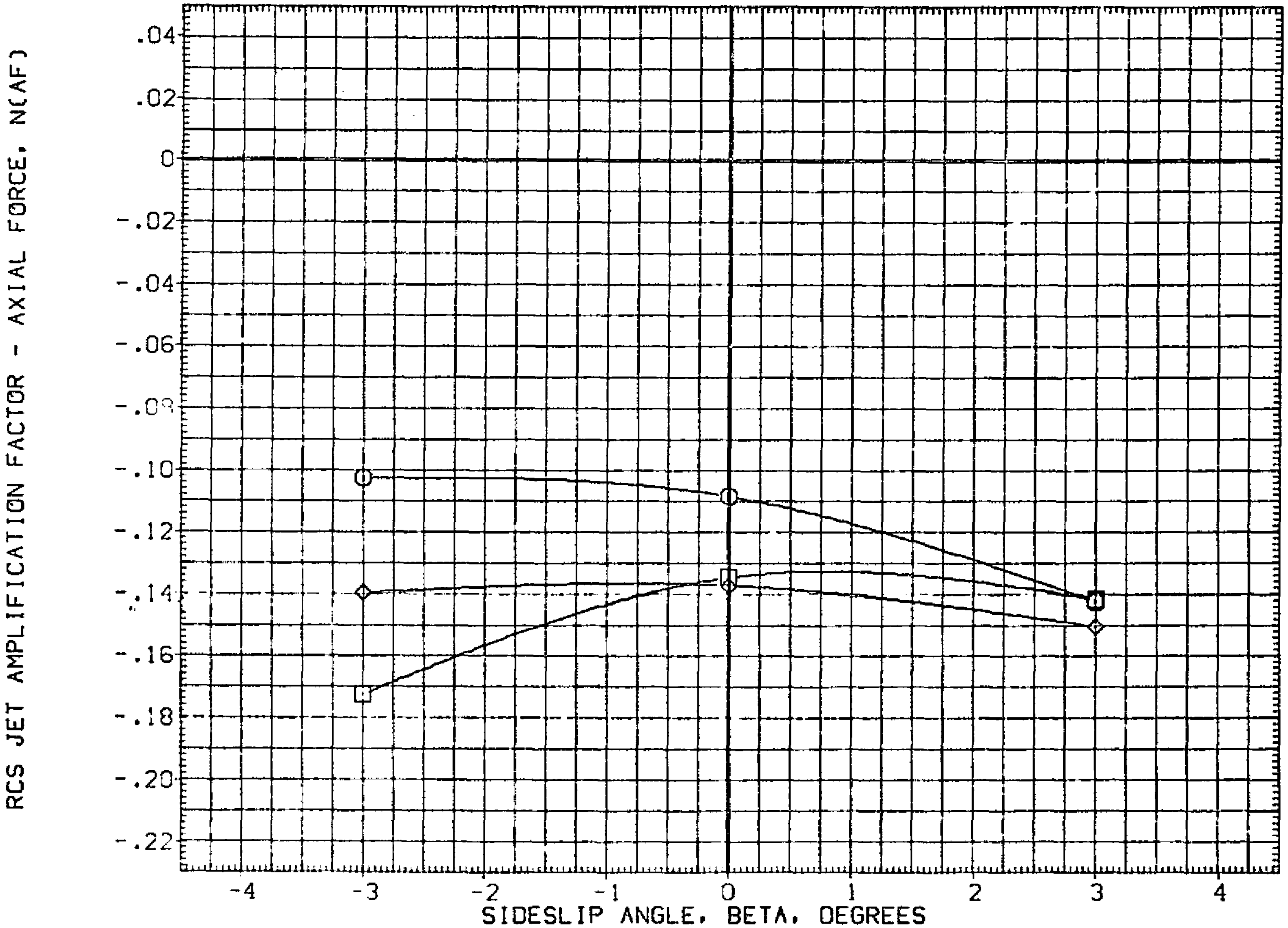

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

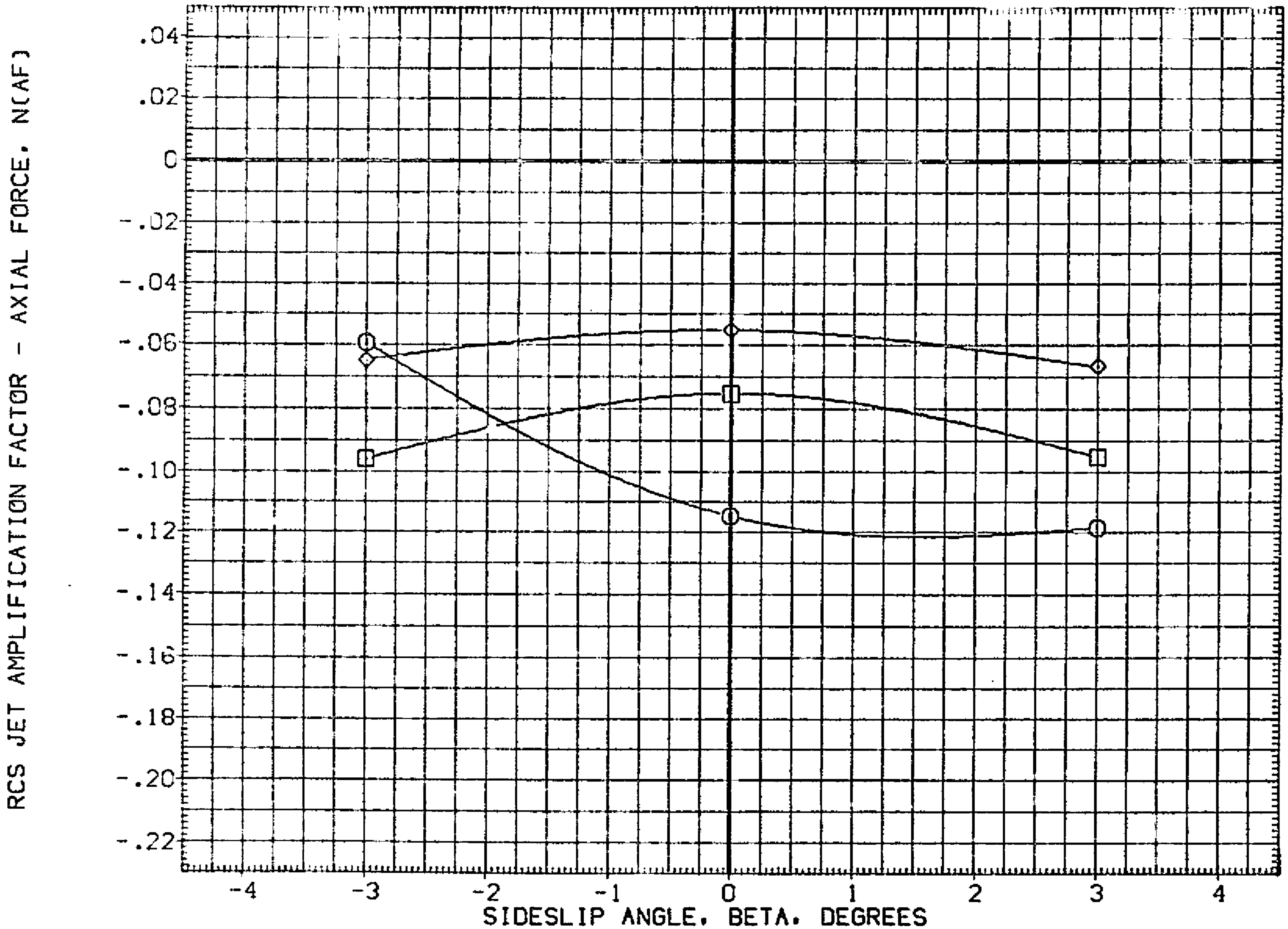

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

01N52 LARC CFHT 118 (MA-22) (CJA156)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

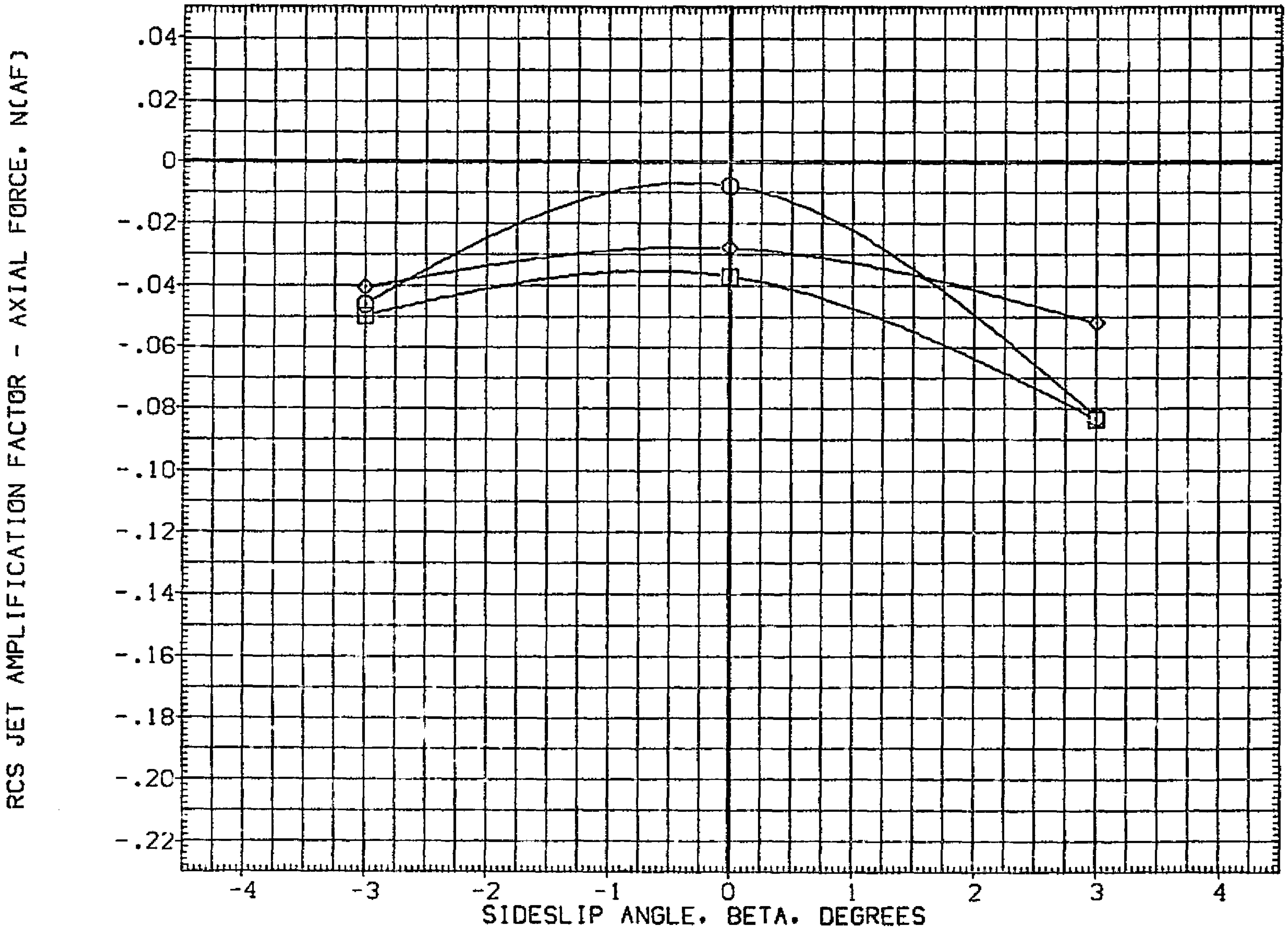

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1
○	47.500
□	95.000
◇	190.000

PARAMETRIC VALUES

MACH	10.330	ALPHA	20.000
BDFLAP	.000	T/QA	95.000
NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

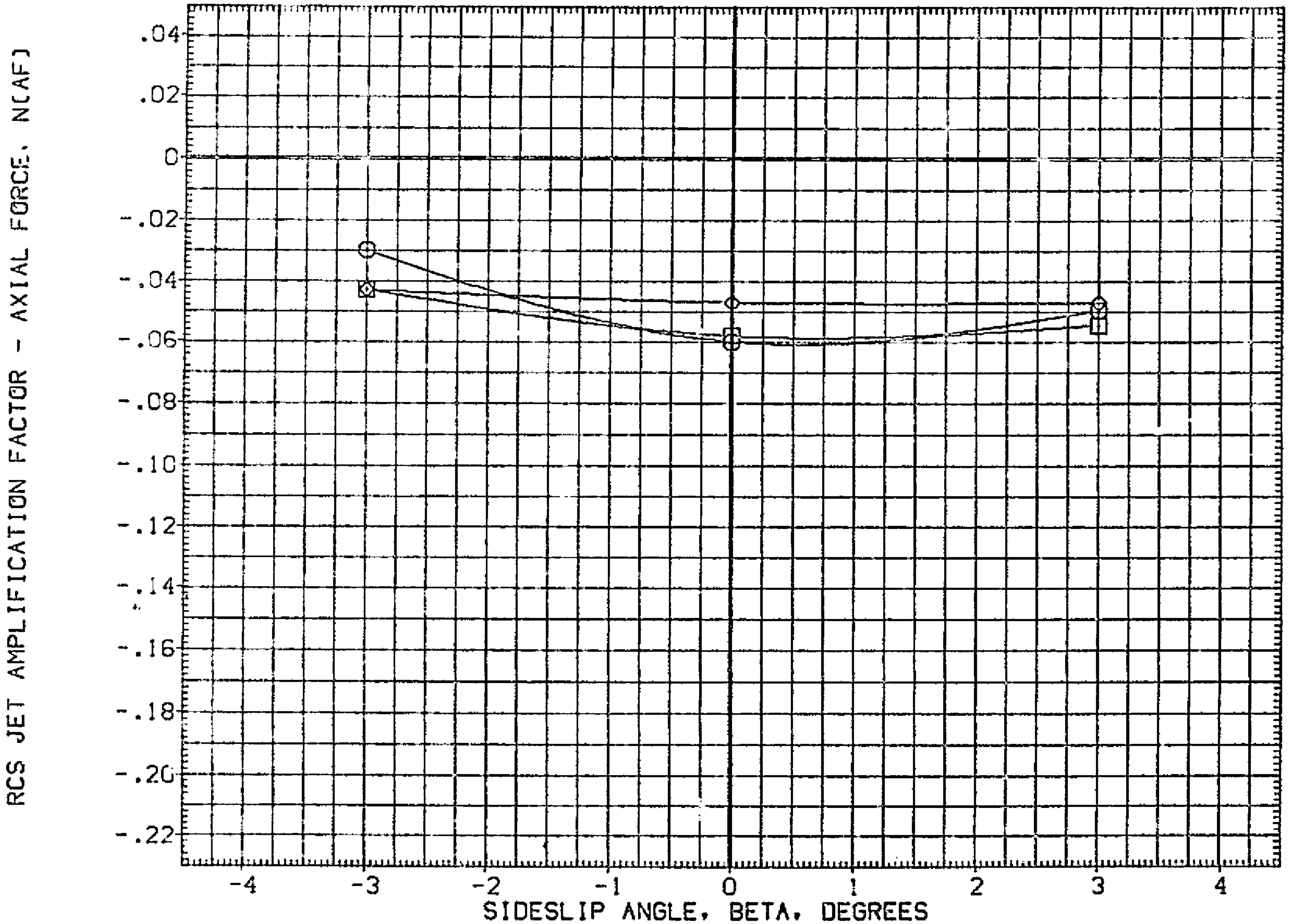

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

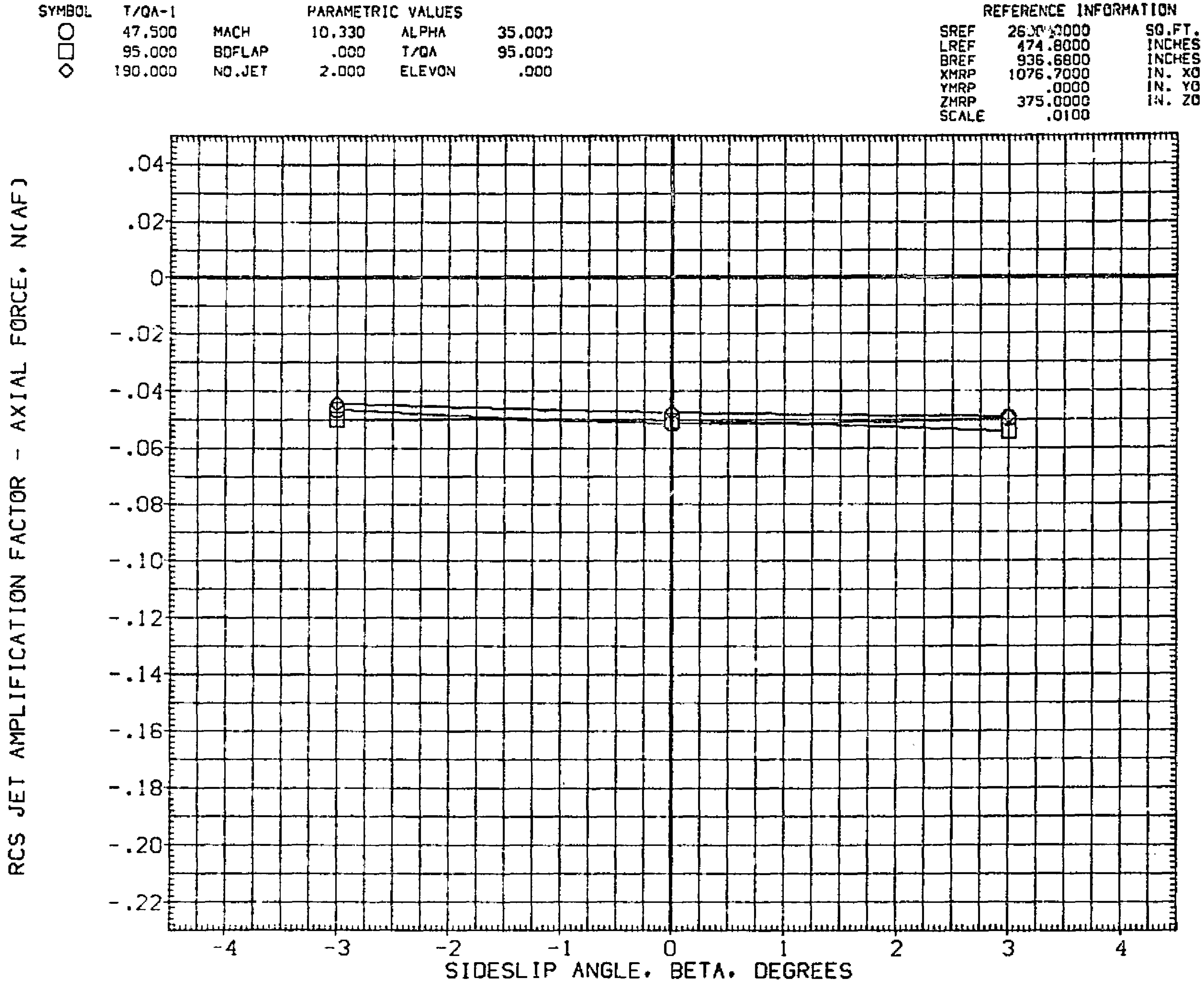

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

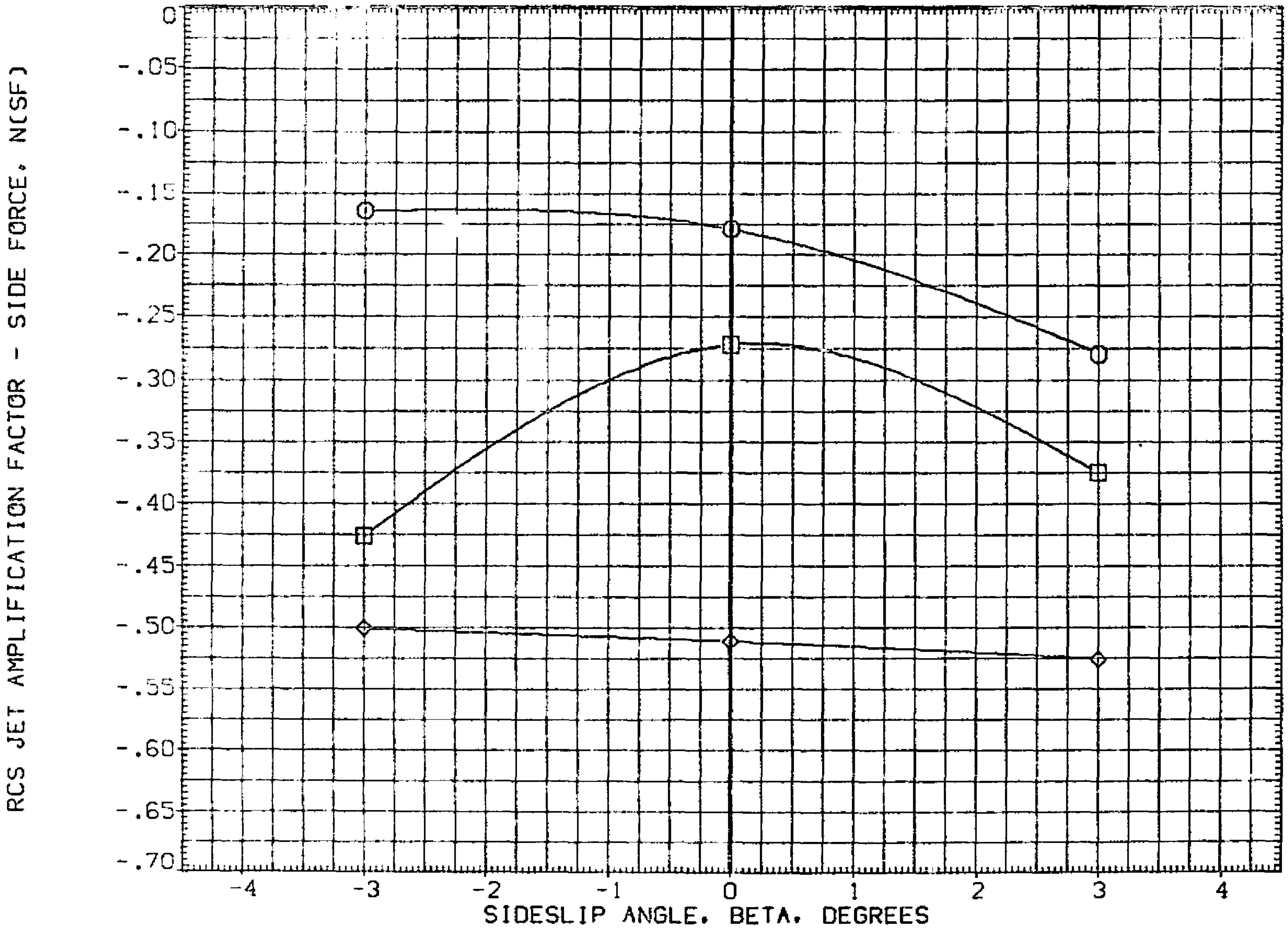

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

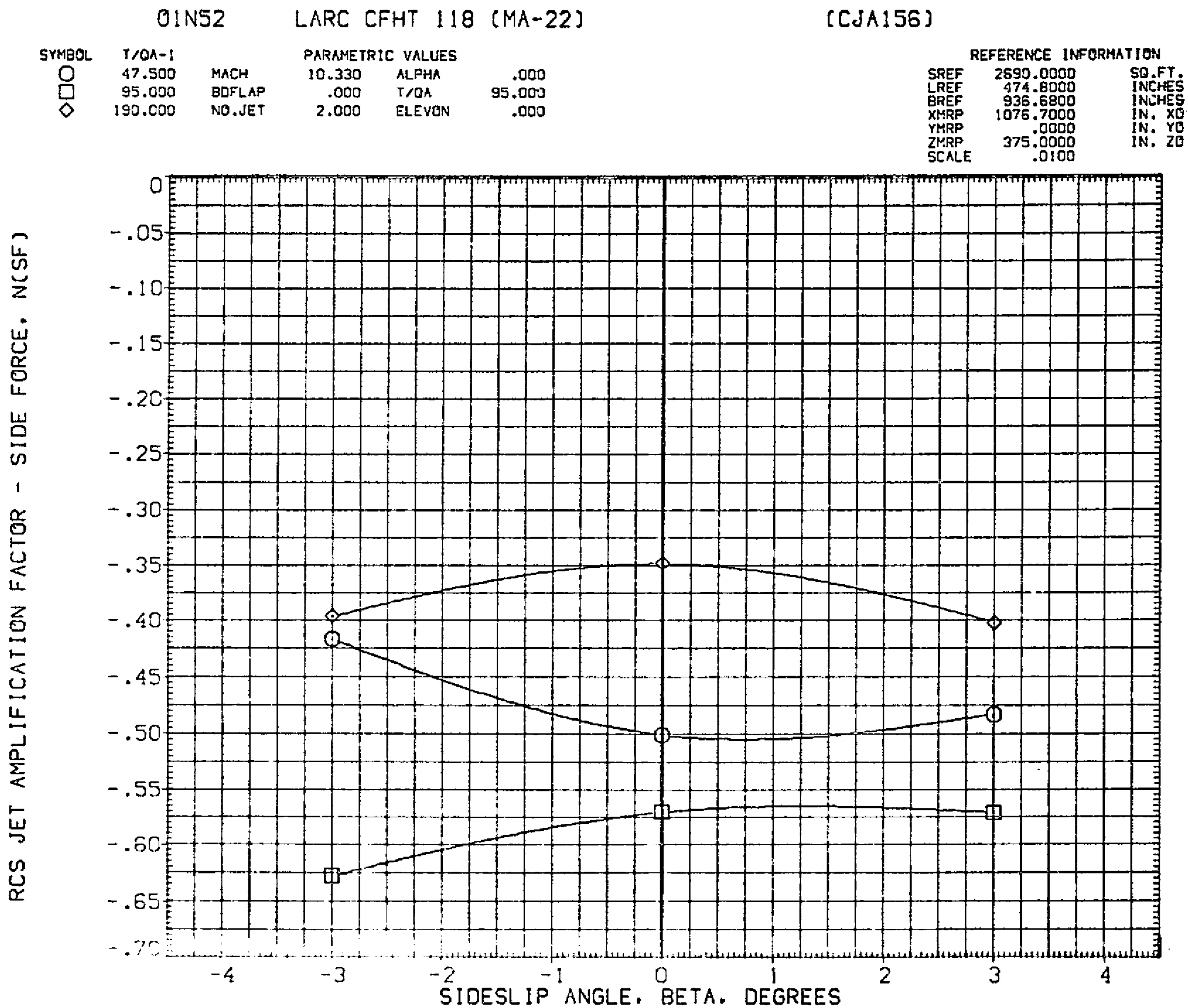

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

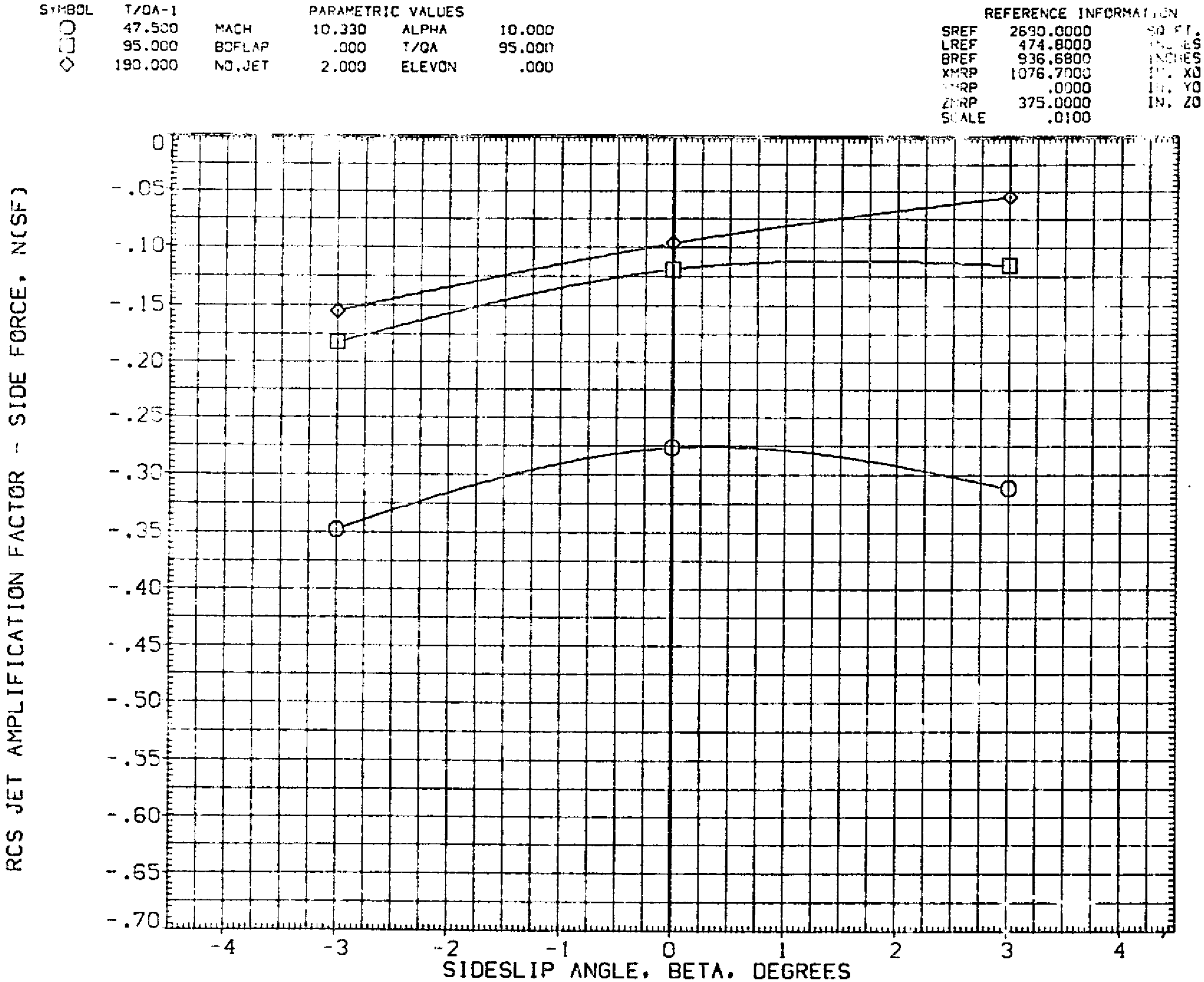

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

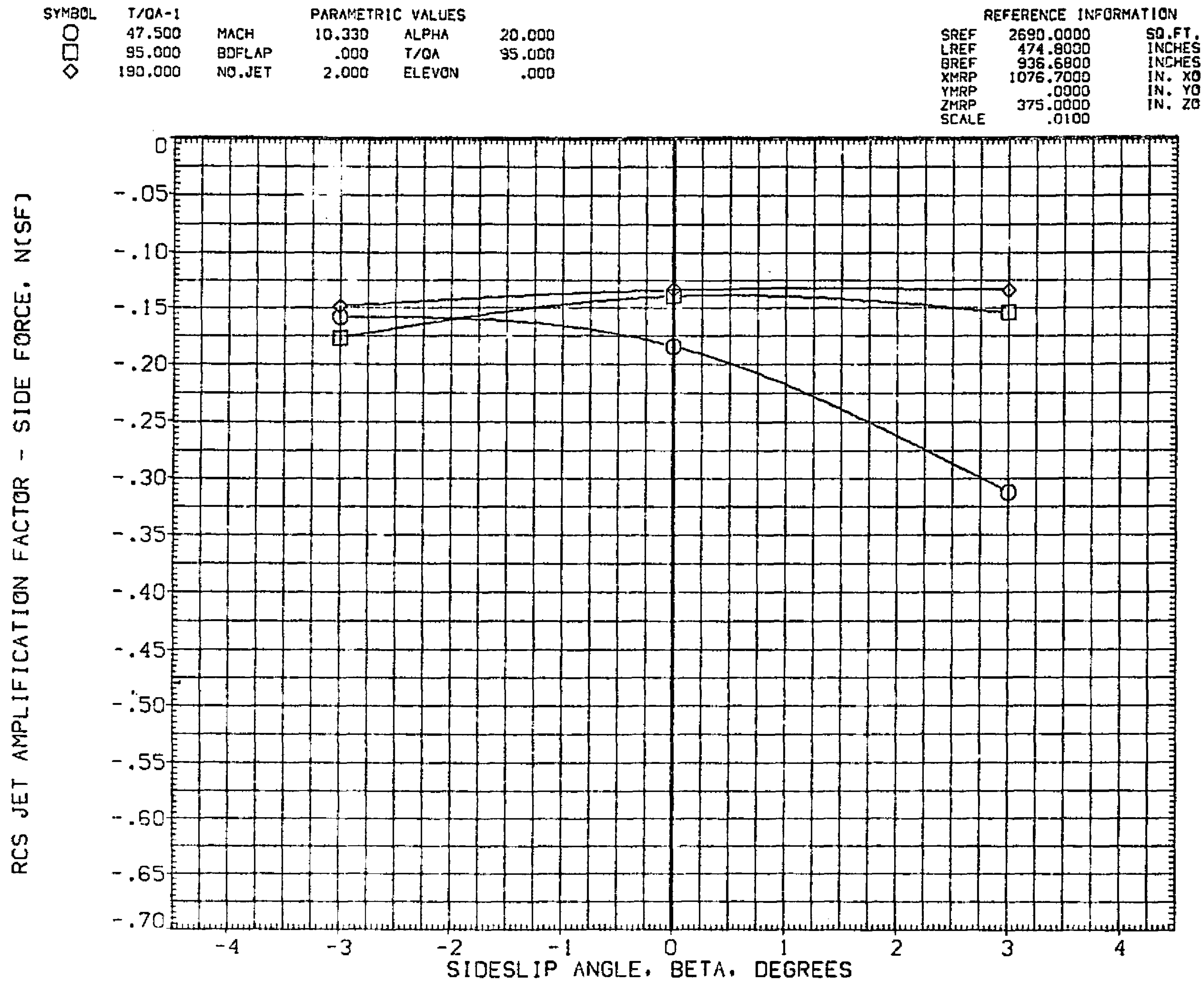

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

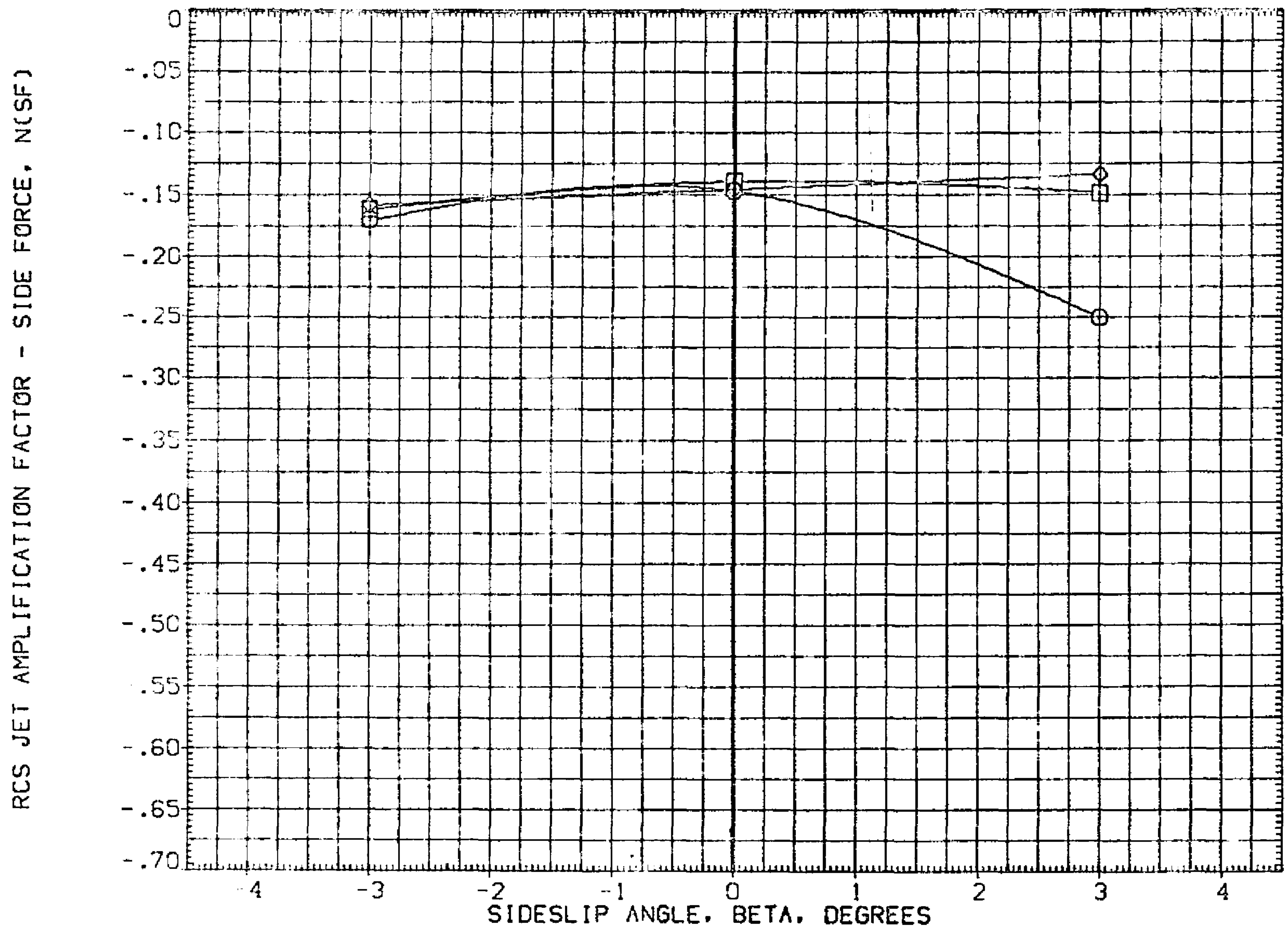

FIGURE 86. AMPLIFICATION FACTOR IN YAW, N52 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

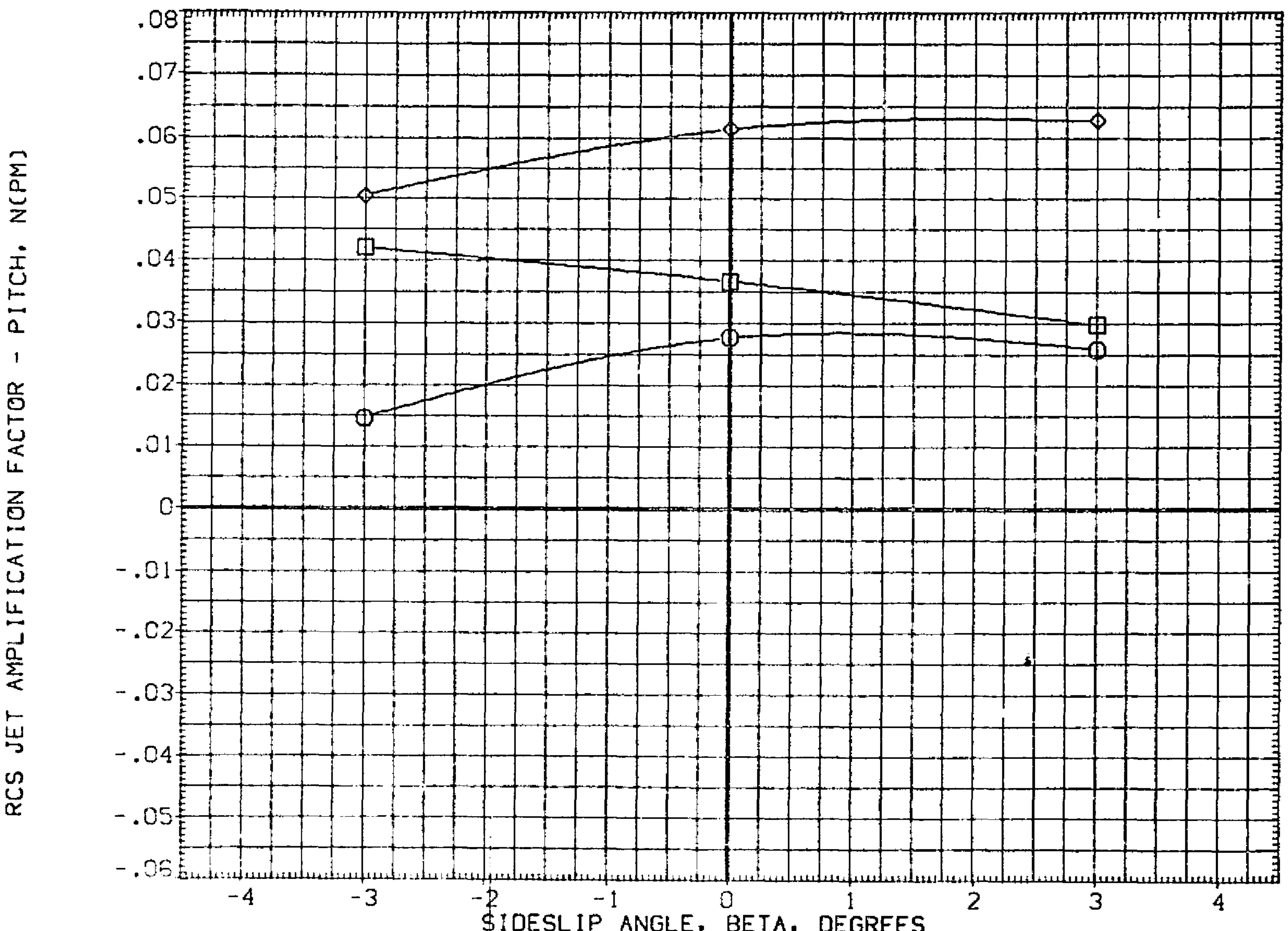

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/OA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

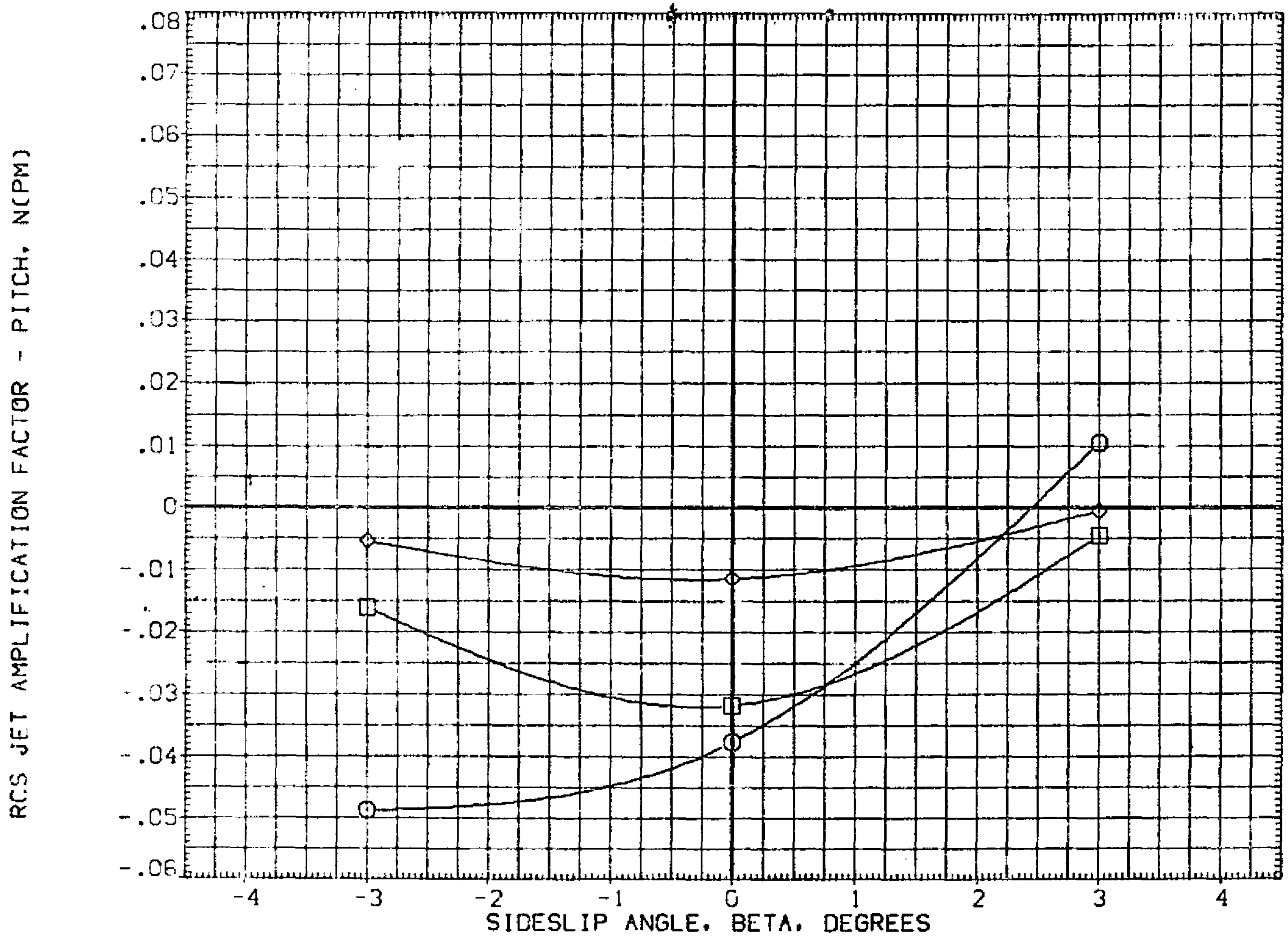

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

01N82 LARC CFHT 118 (MA-22) (CJA181)

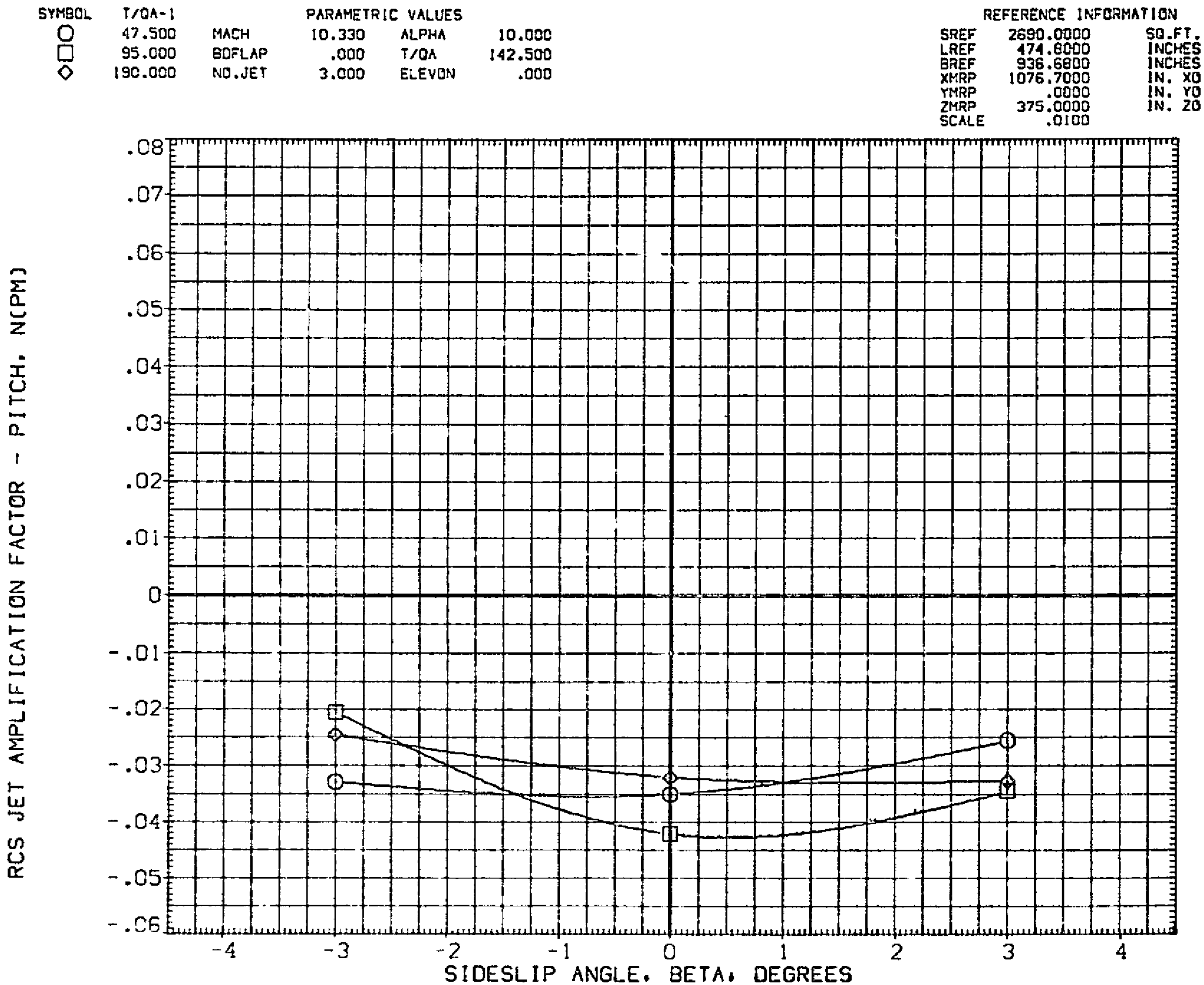

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

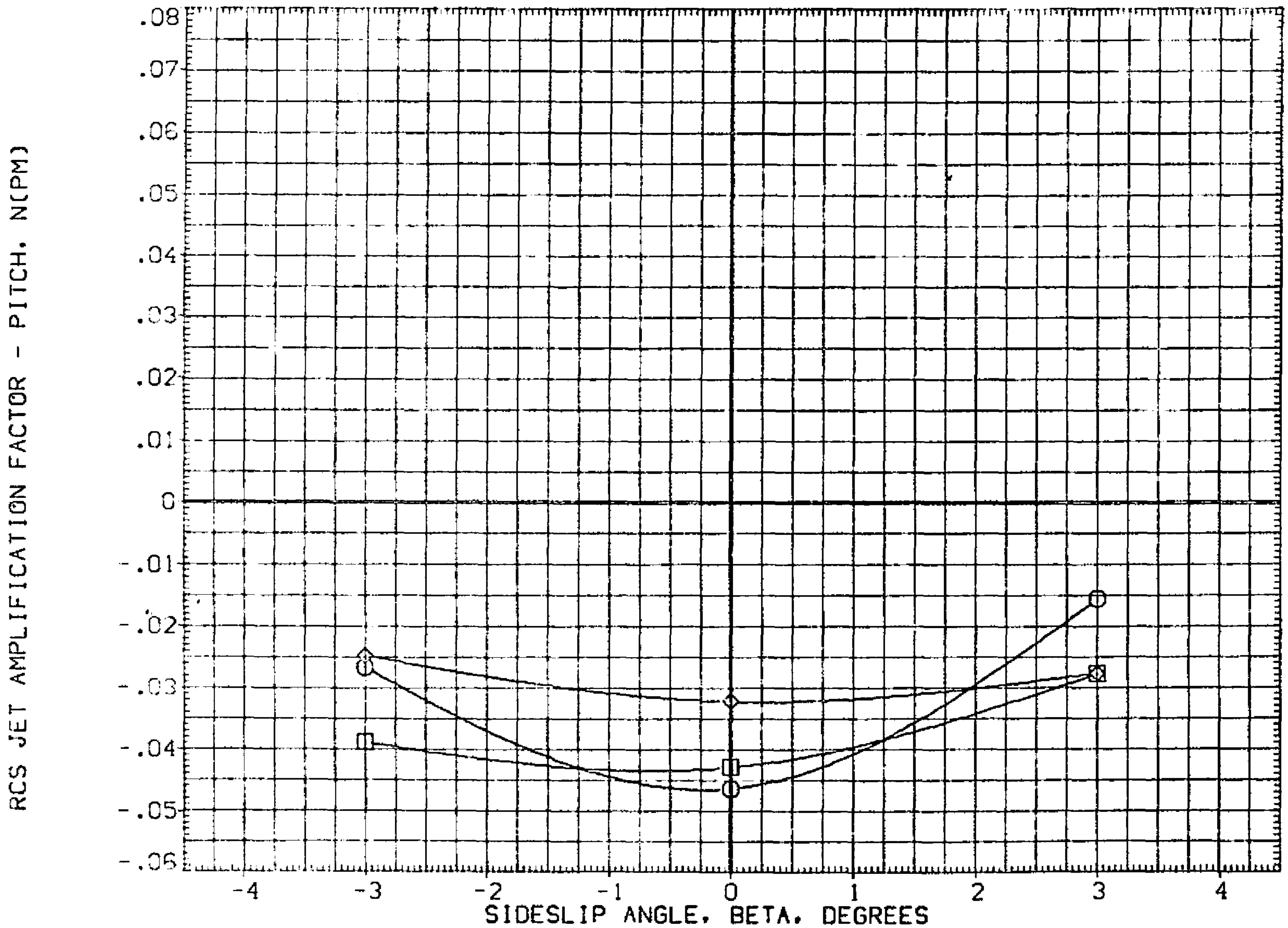

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

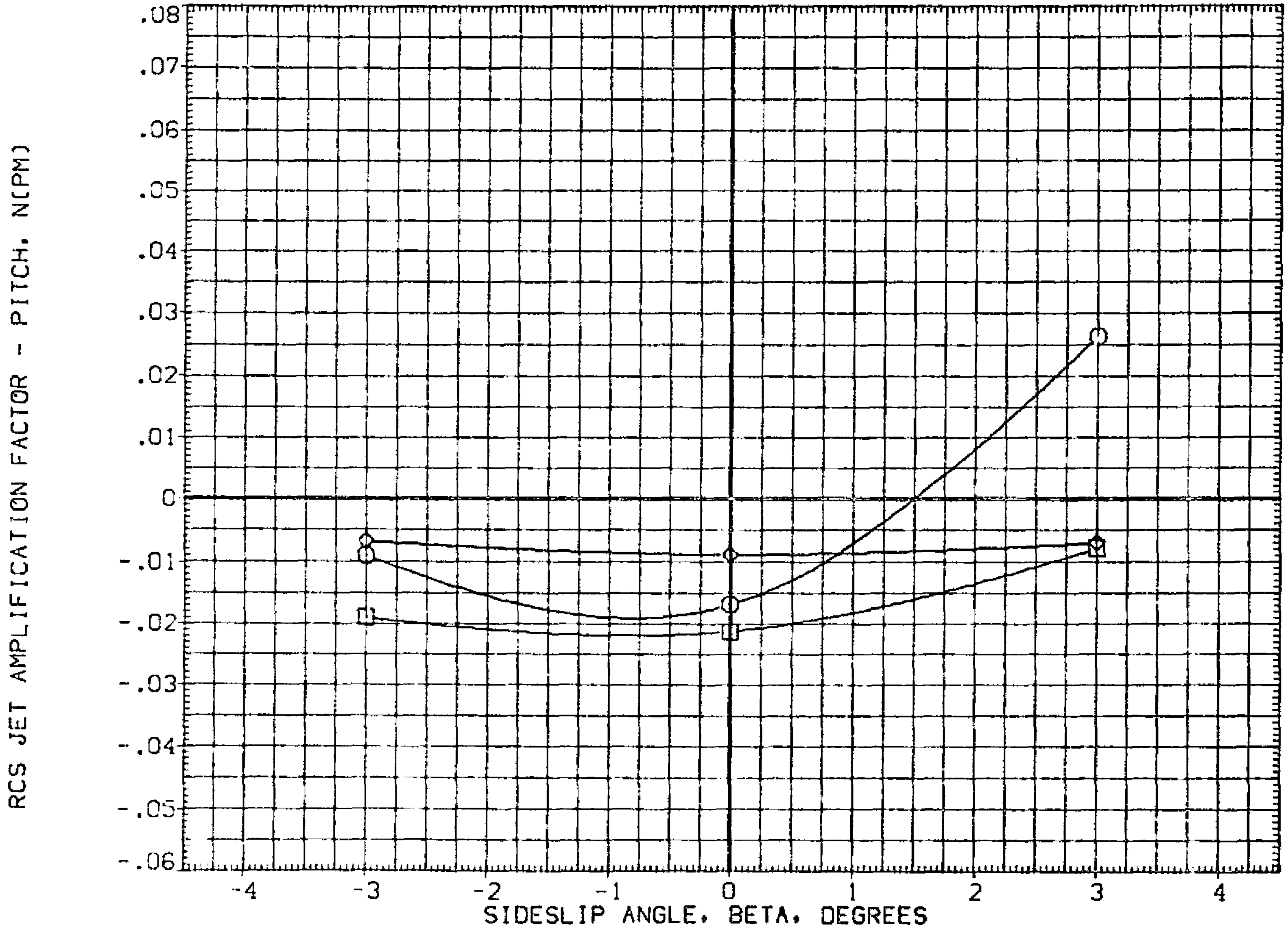

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

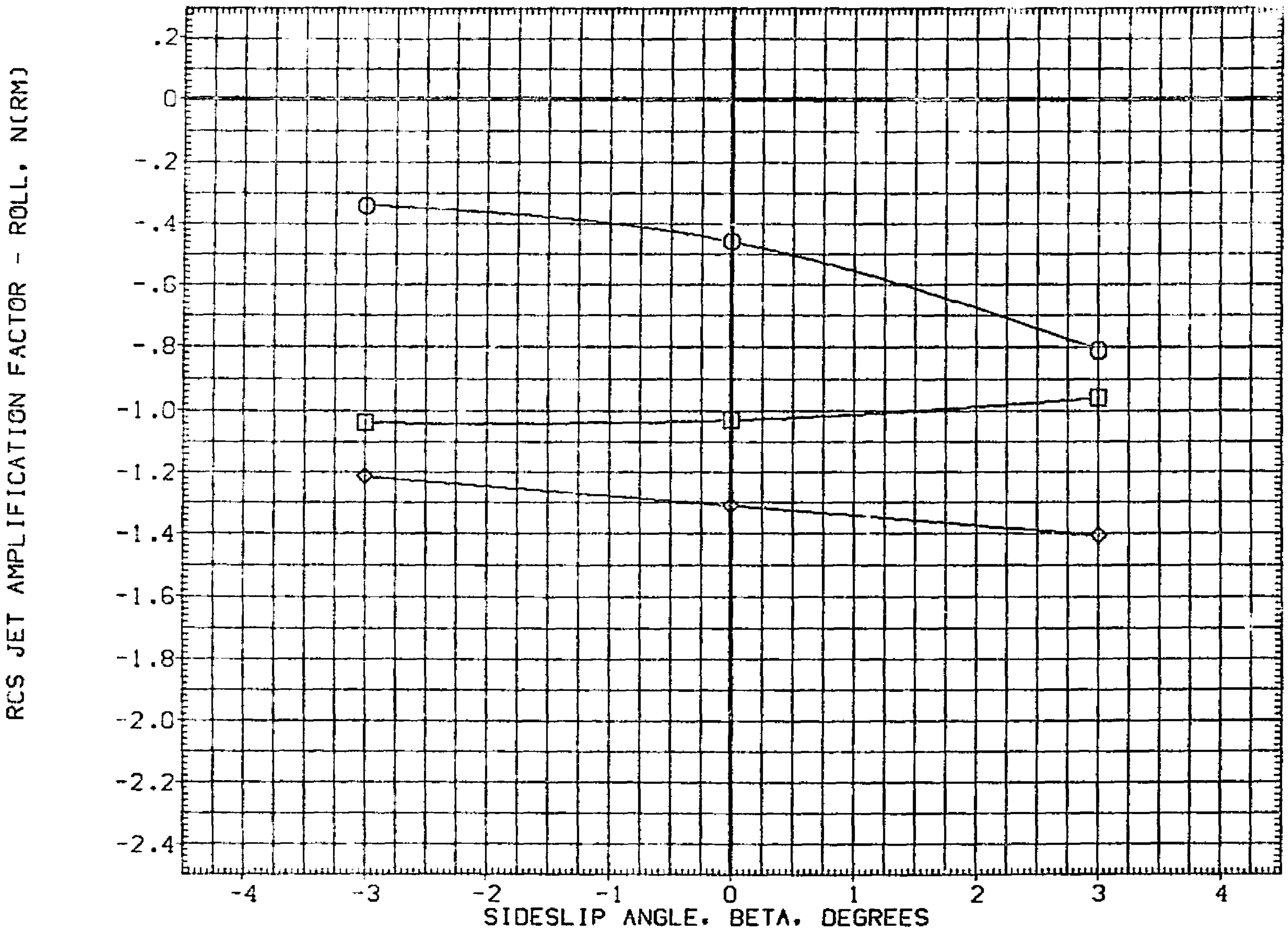

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/OA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

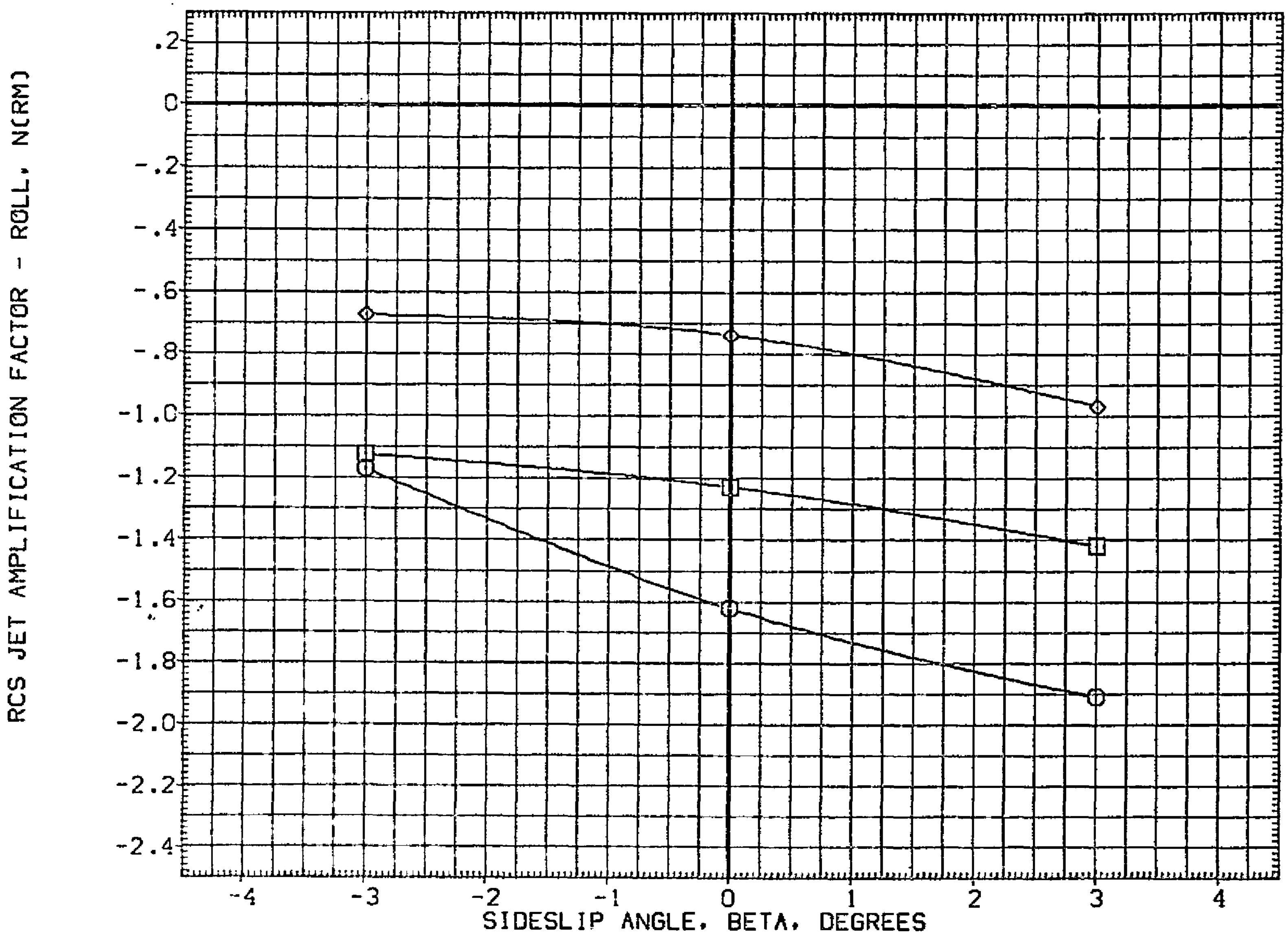

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/OA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

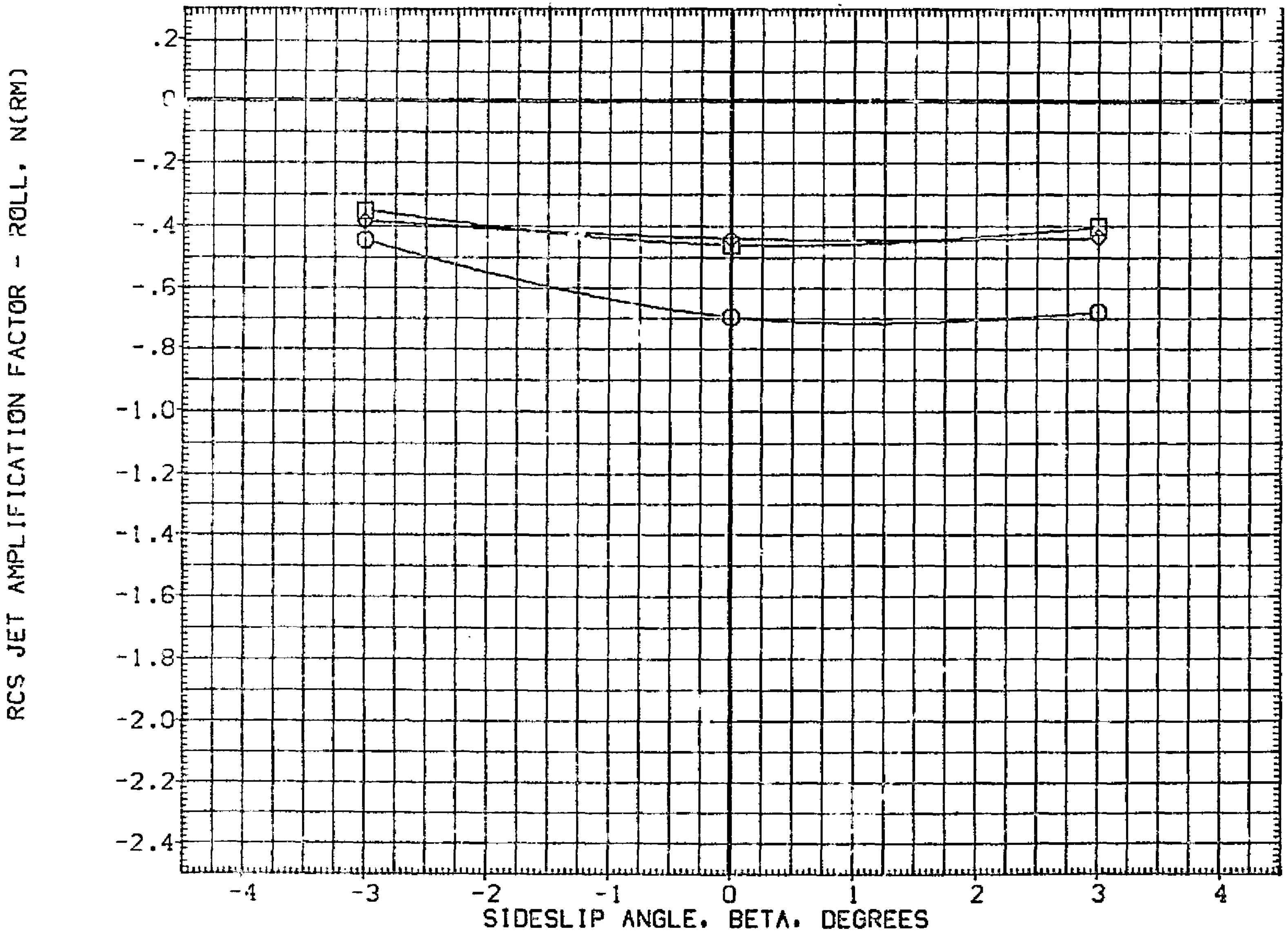

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

01N82 LARC CFHT 118 (MA-22) (CJA181)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	SDFLAP	.000	T/OA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

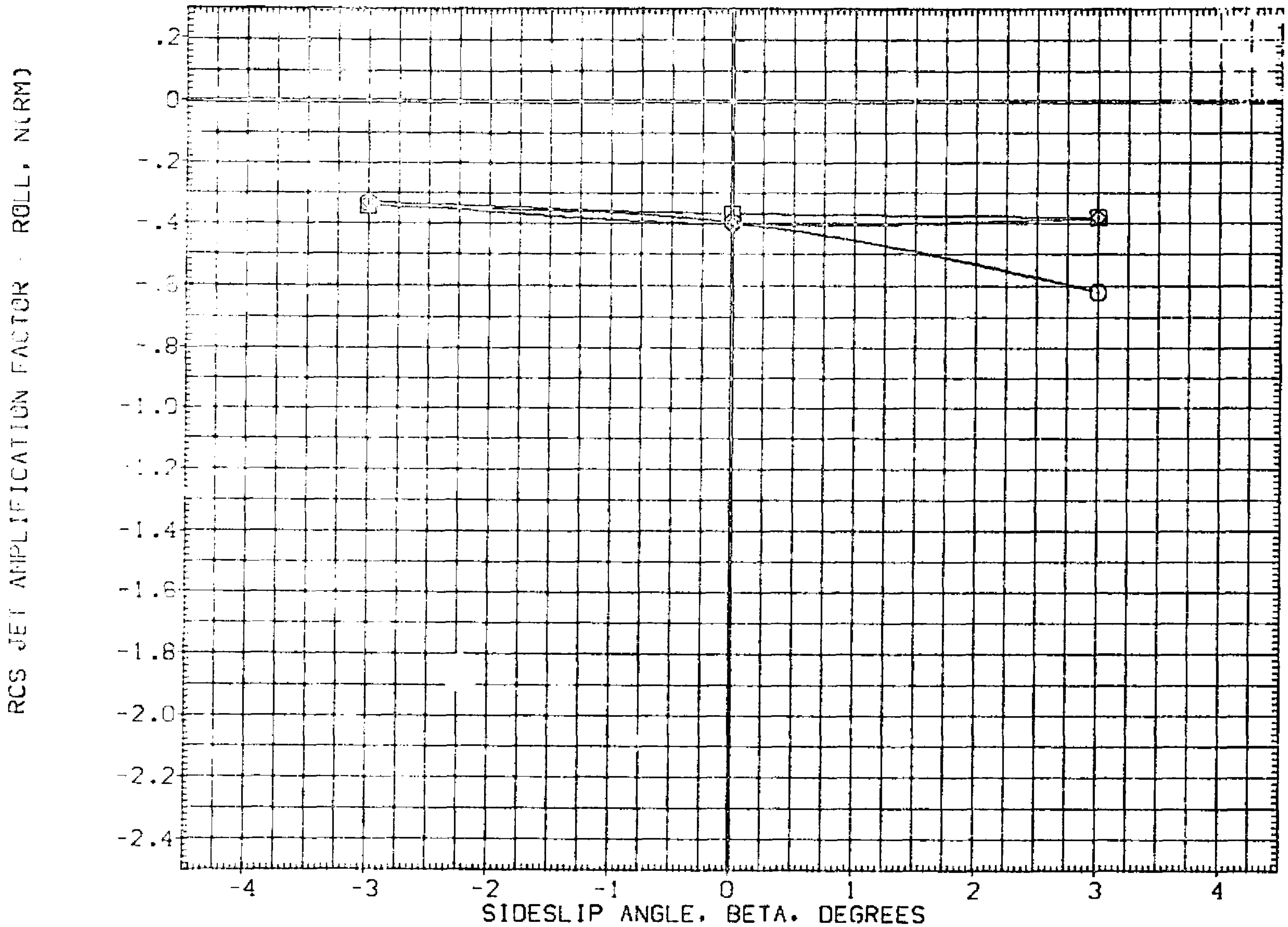

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

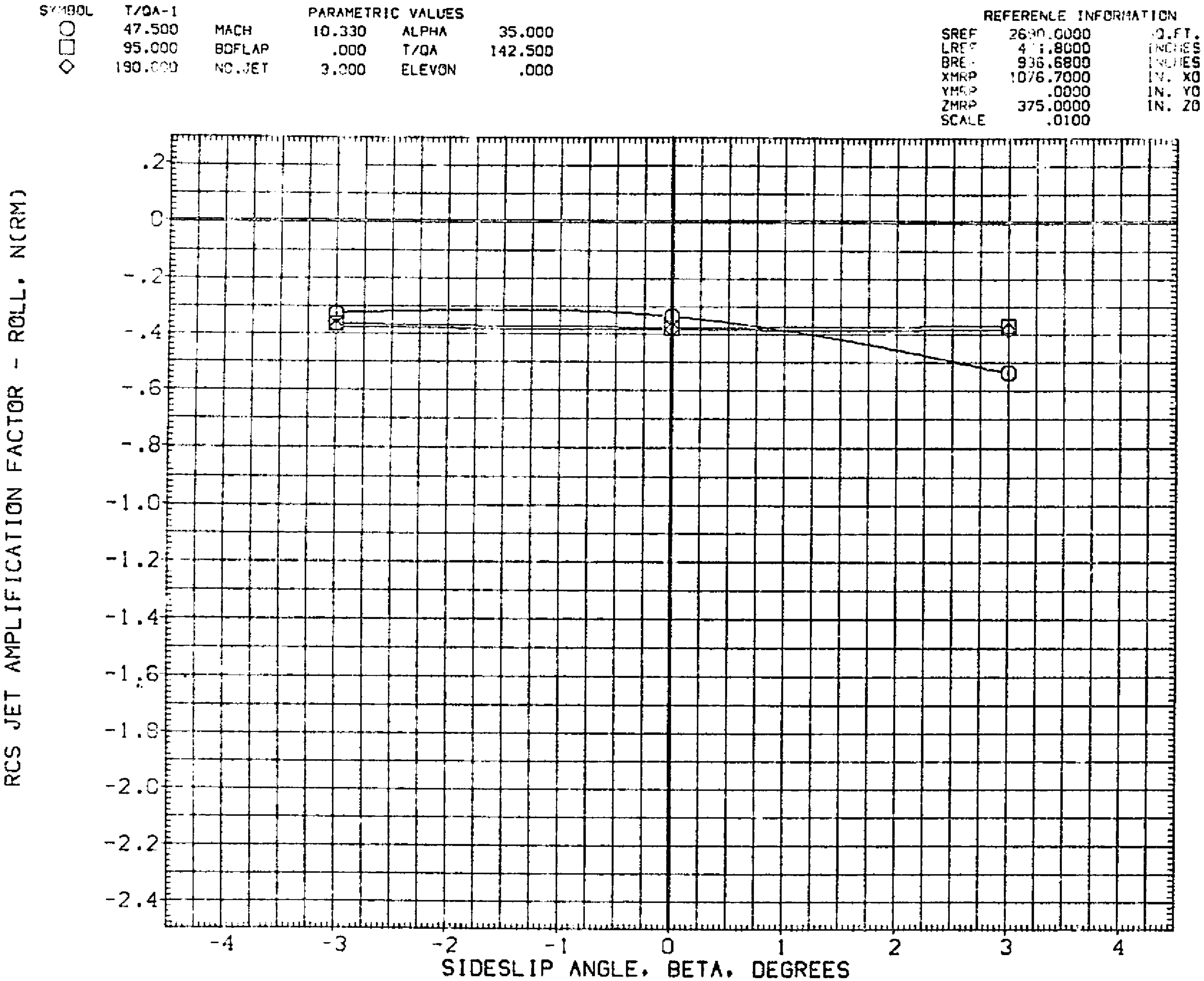

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

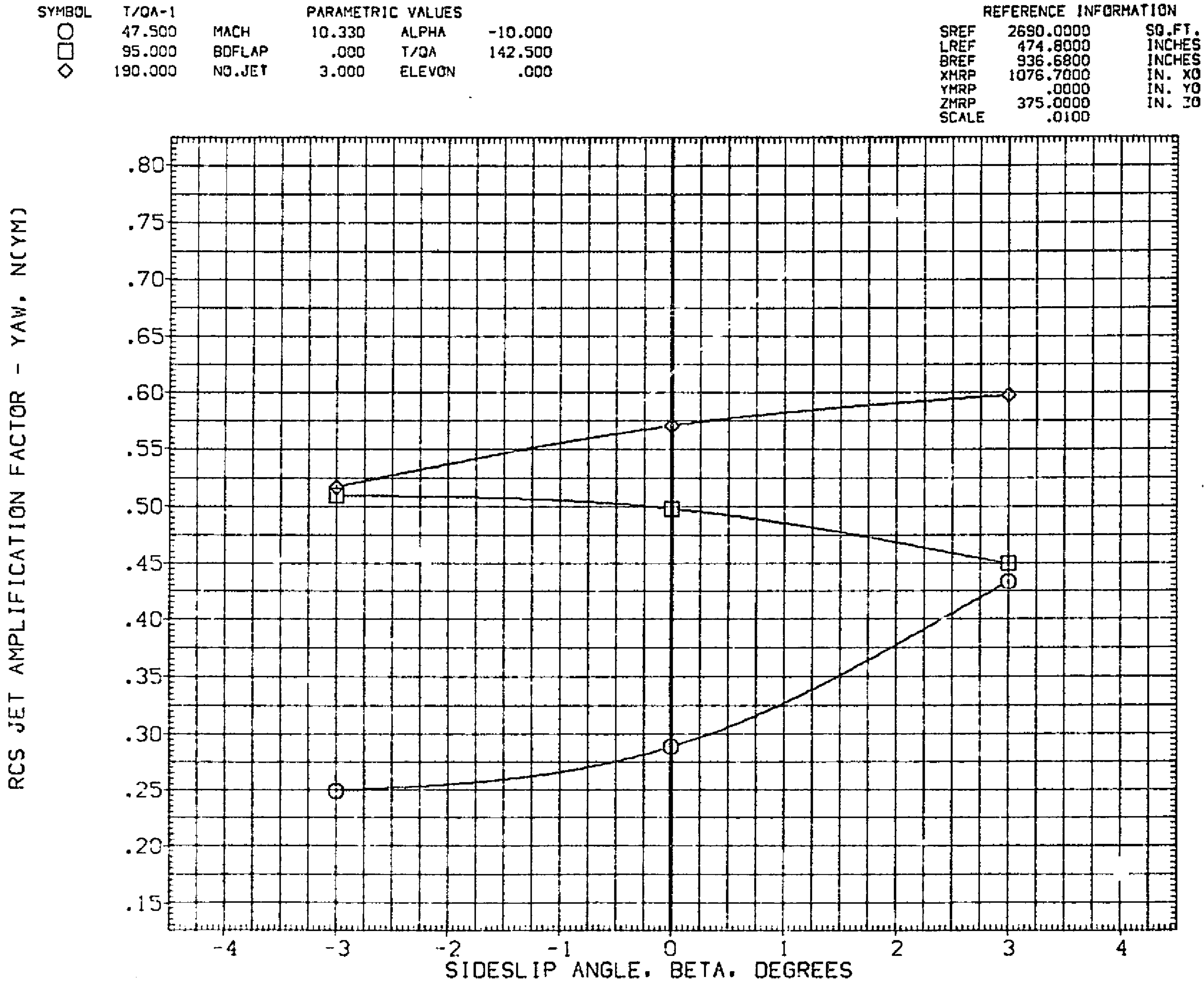

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

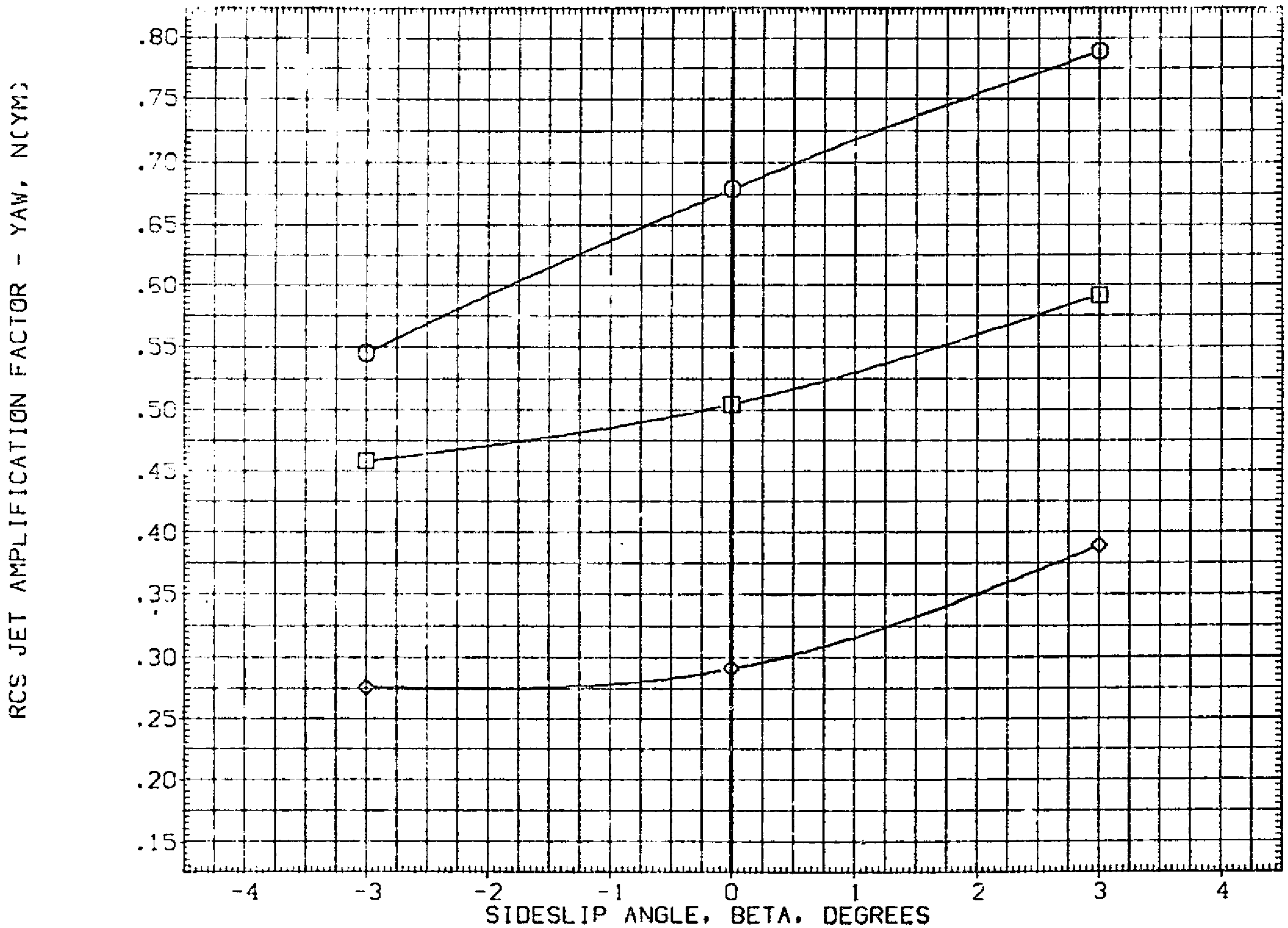

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

01N82 LARC CFHT 118 (MA-22) (CJA181)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

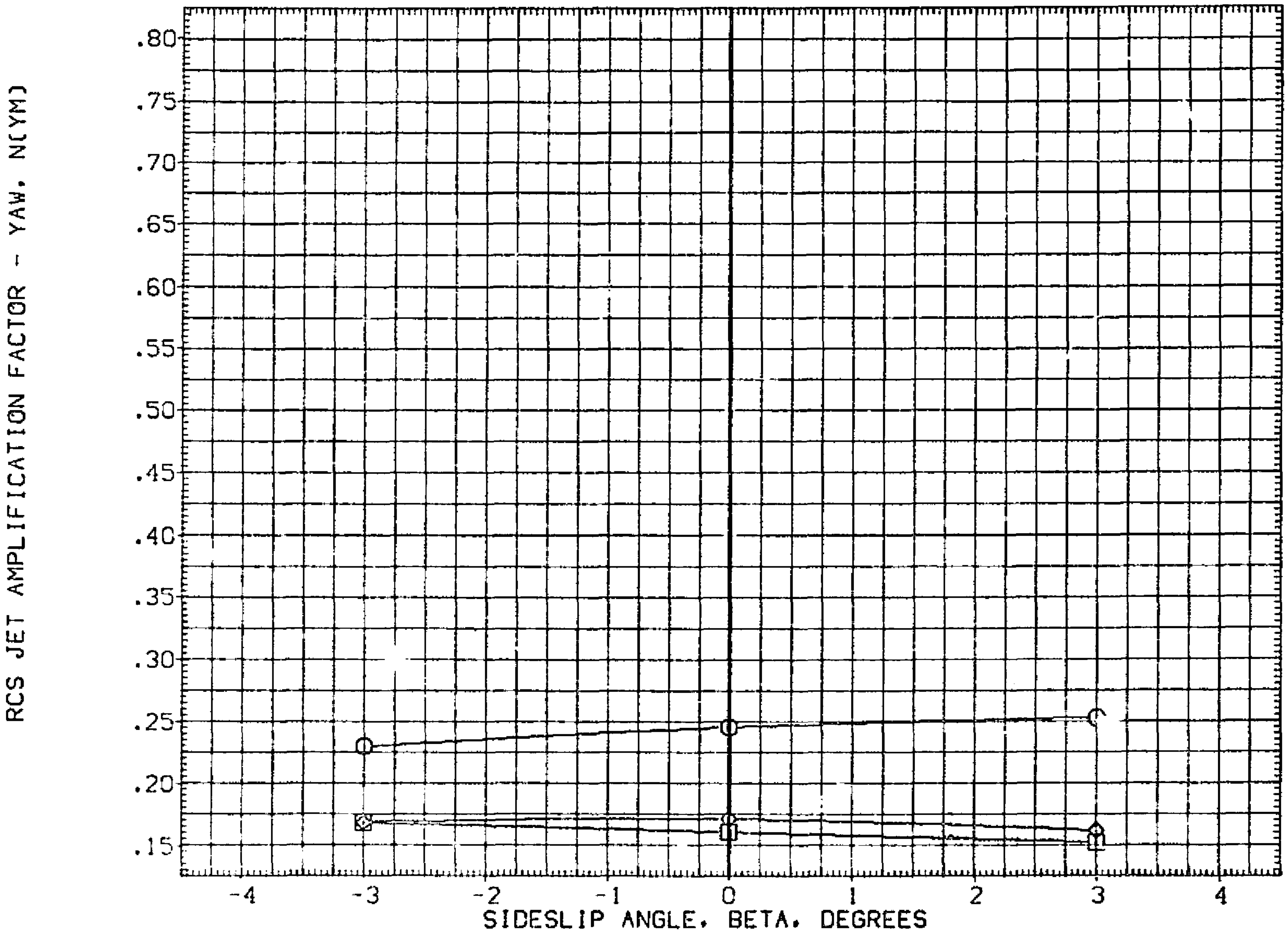

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

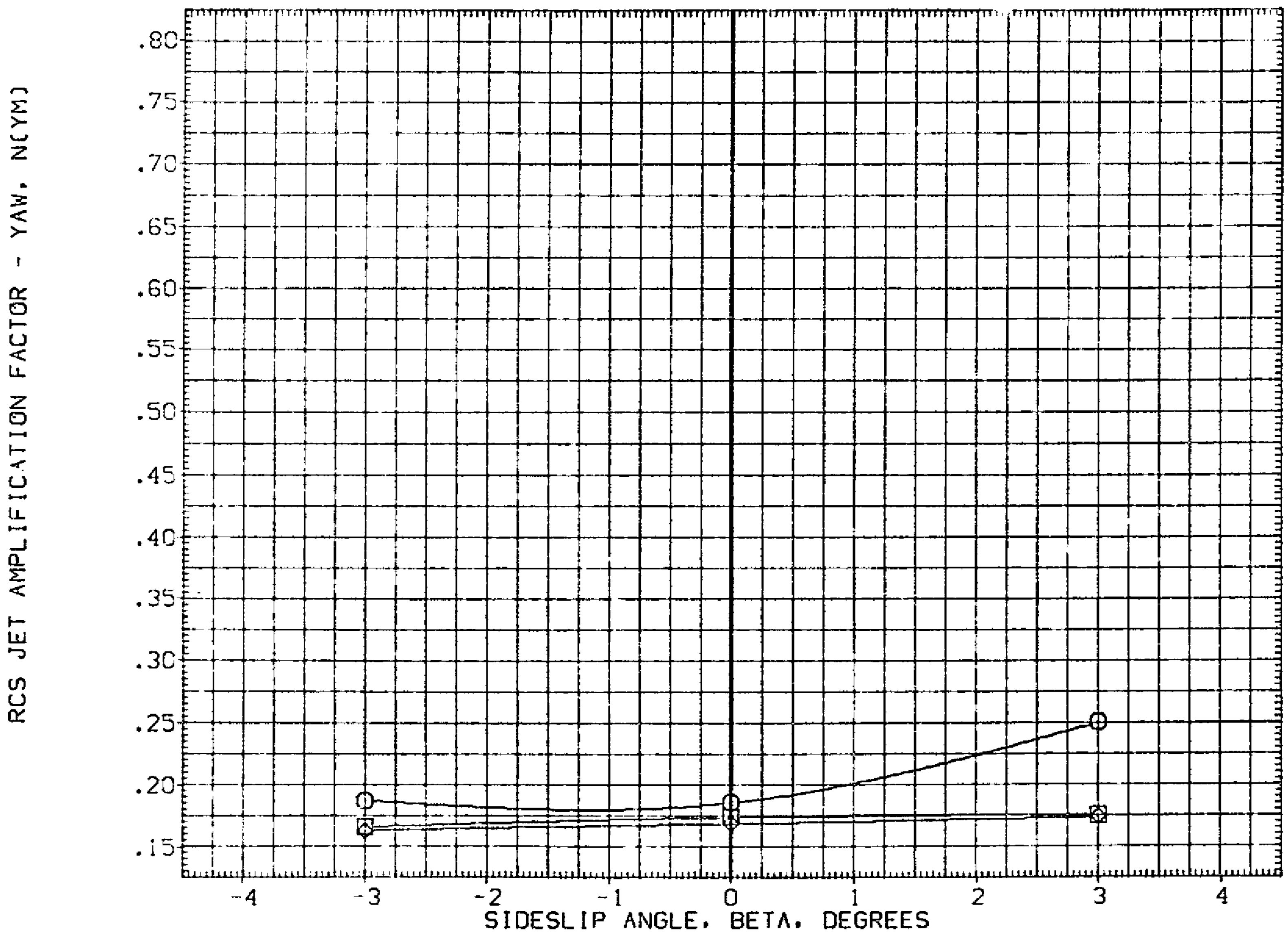

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

01N82 LARC CFHT 118 (MA-22) (CJA181)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

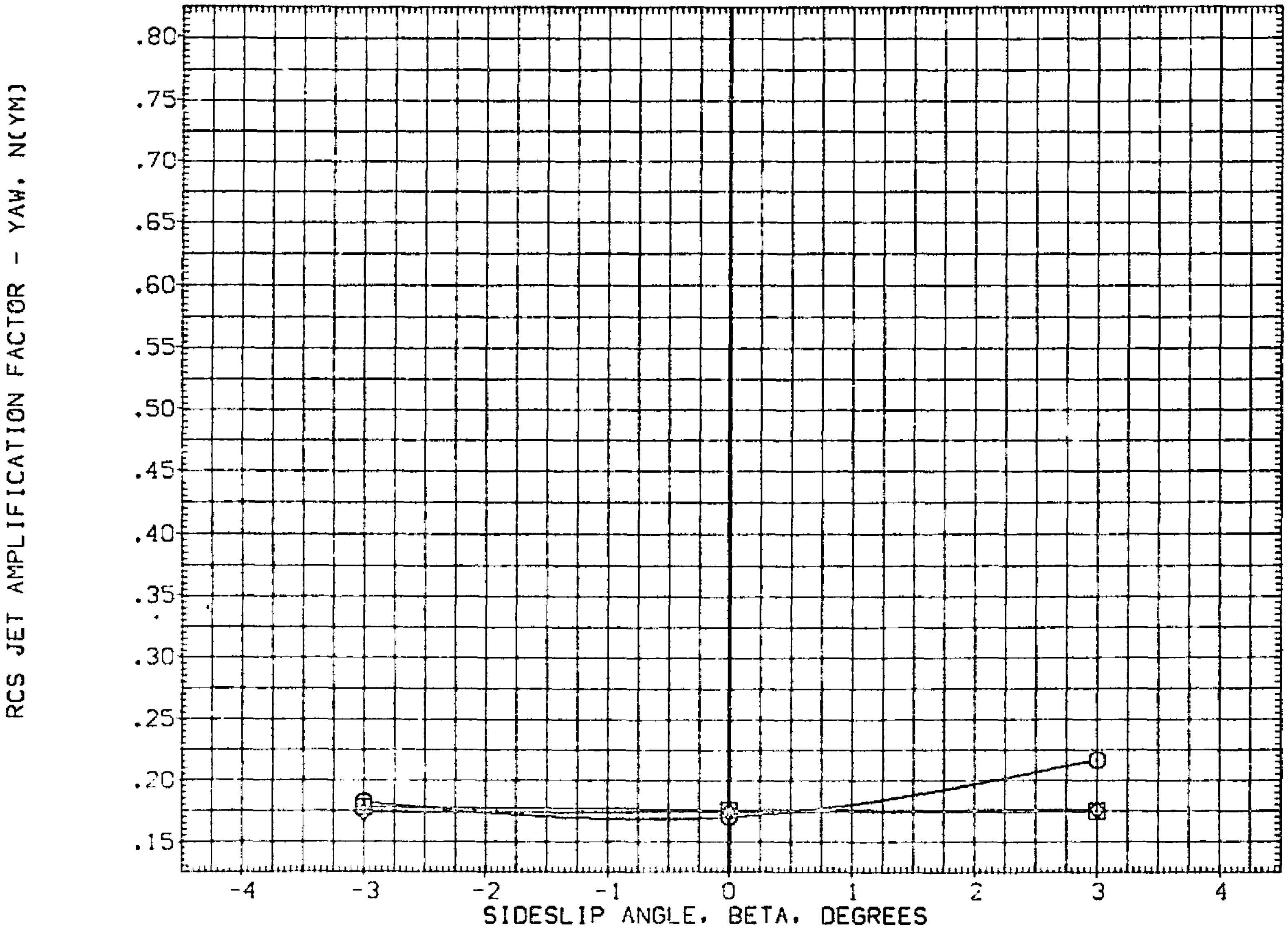

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

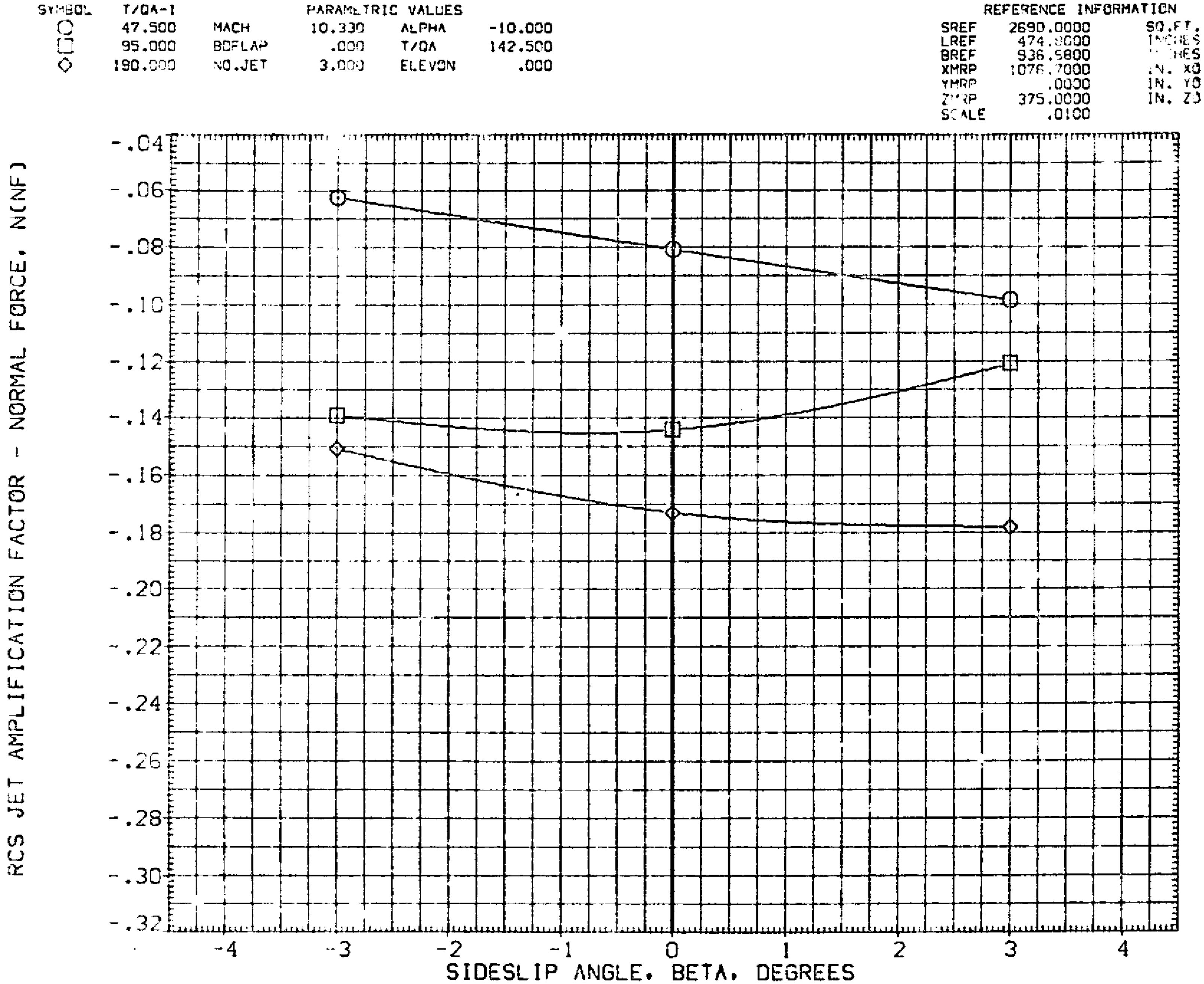

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

01N82 LARC CFHT 118 (MA-22) (CJA181)

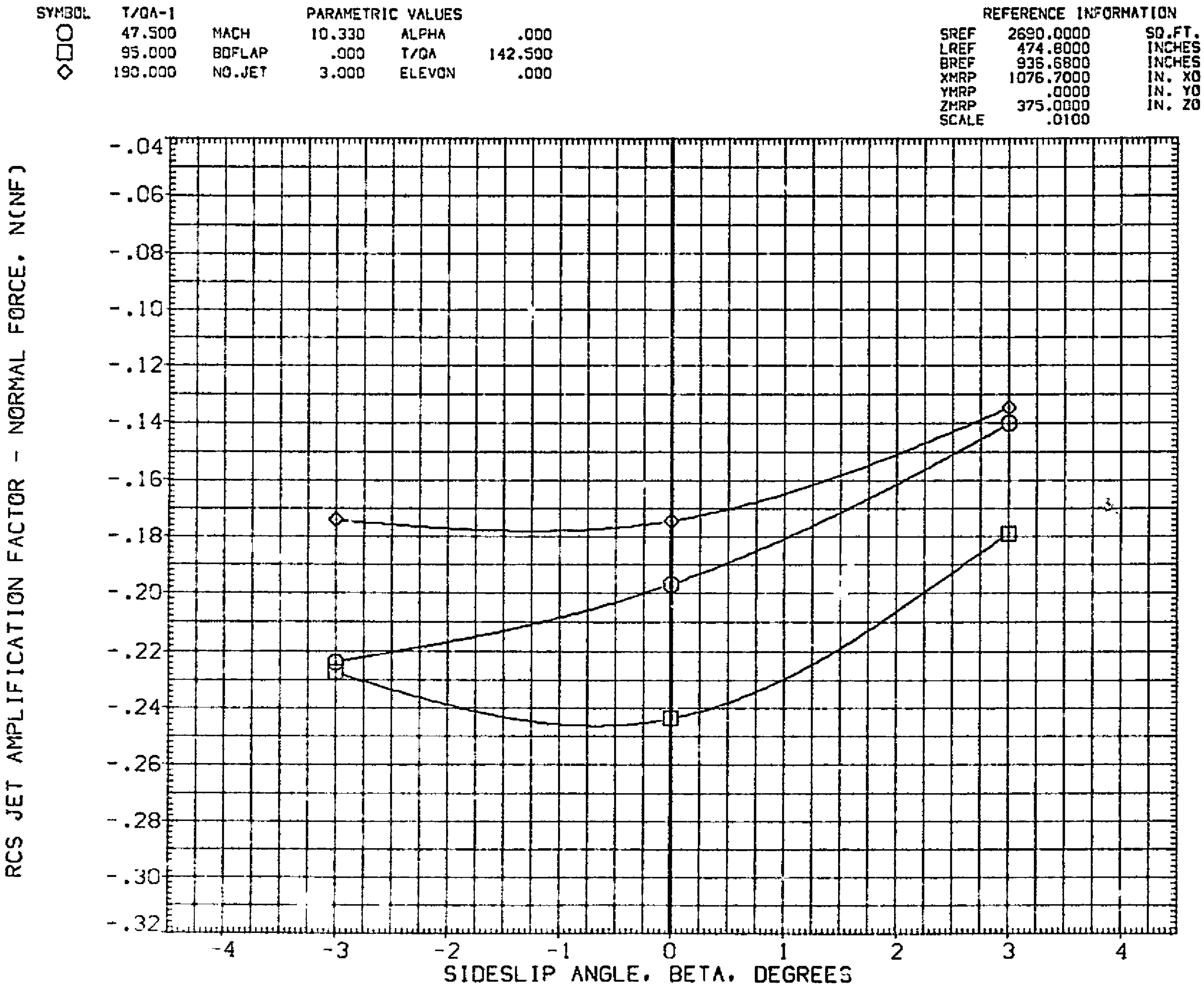

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

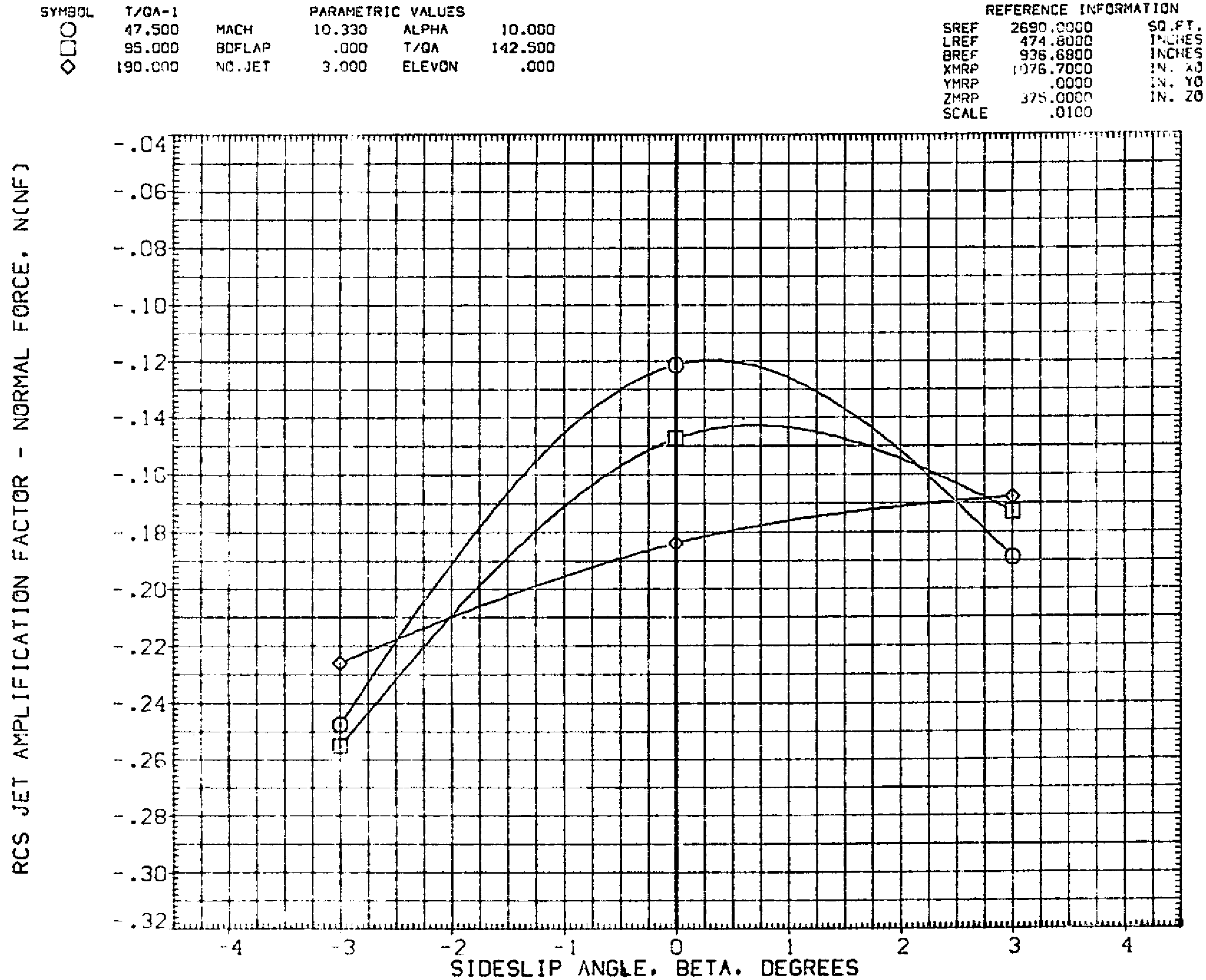

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

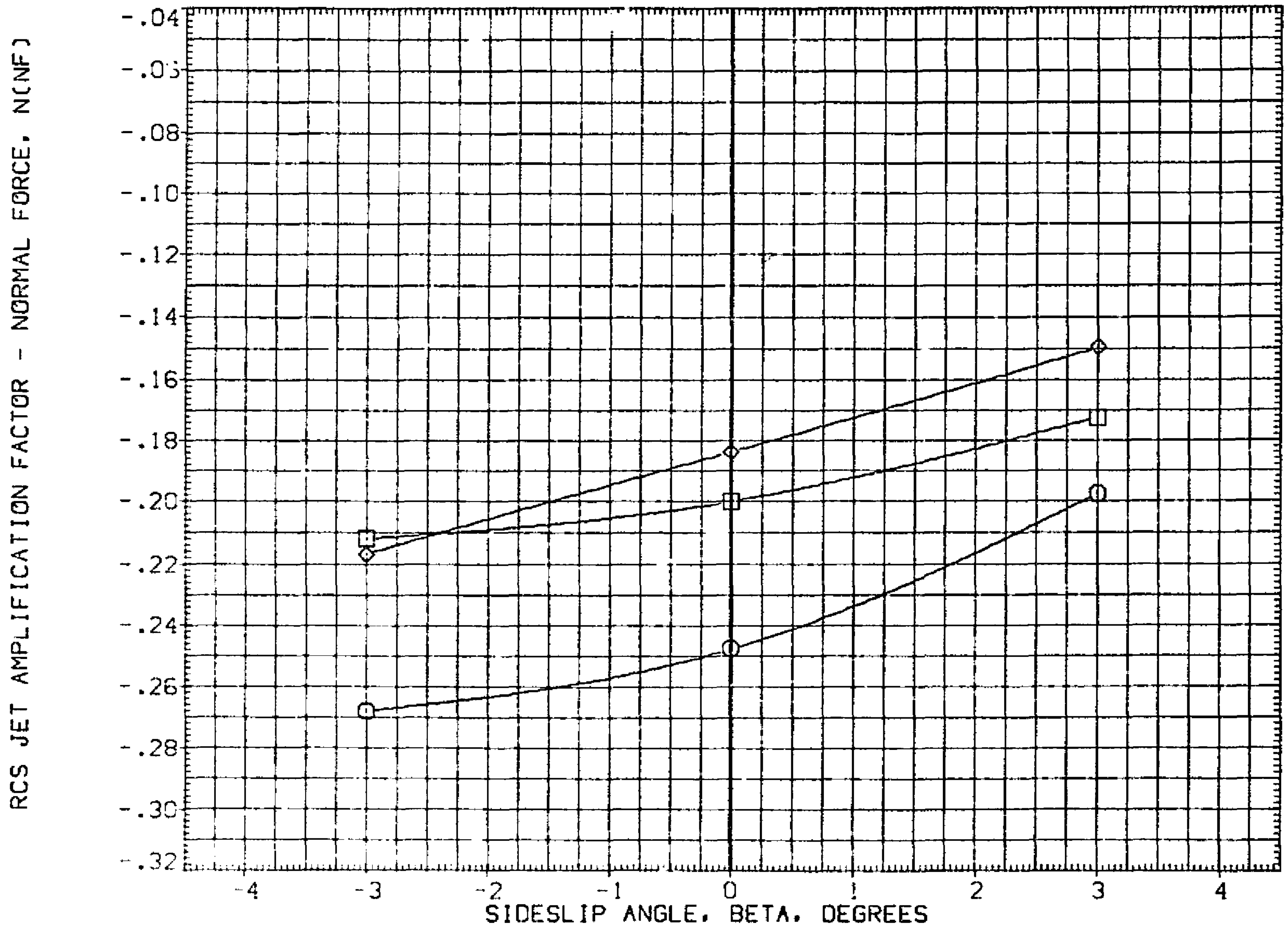

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

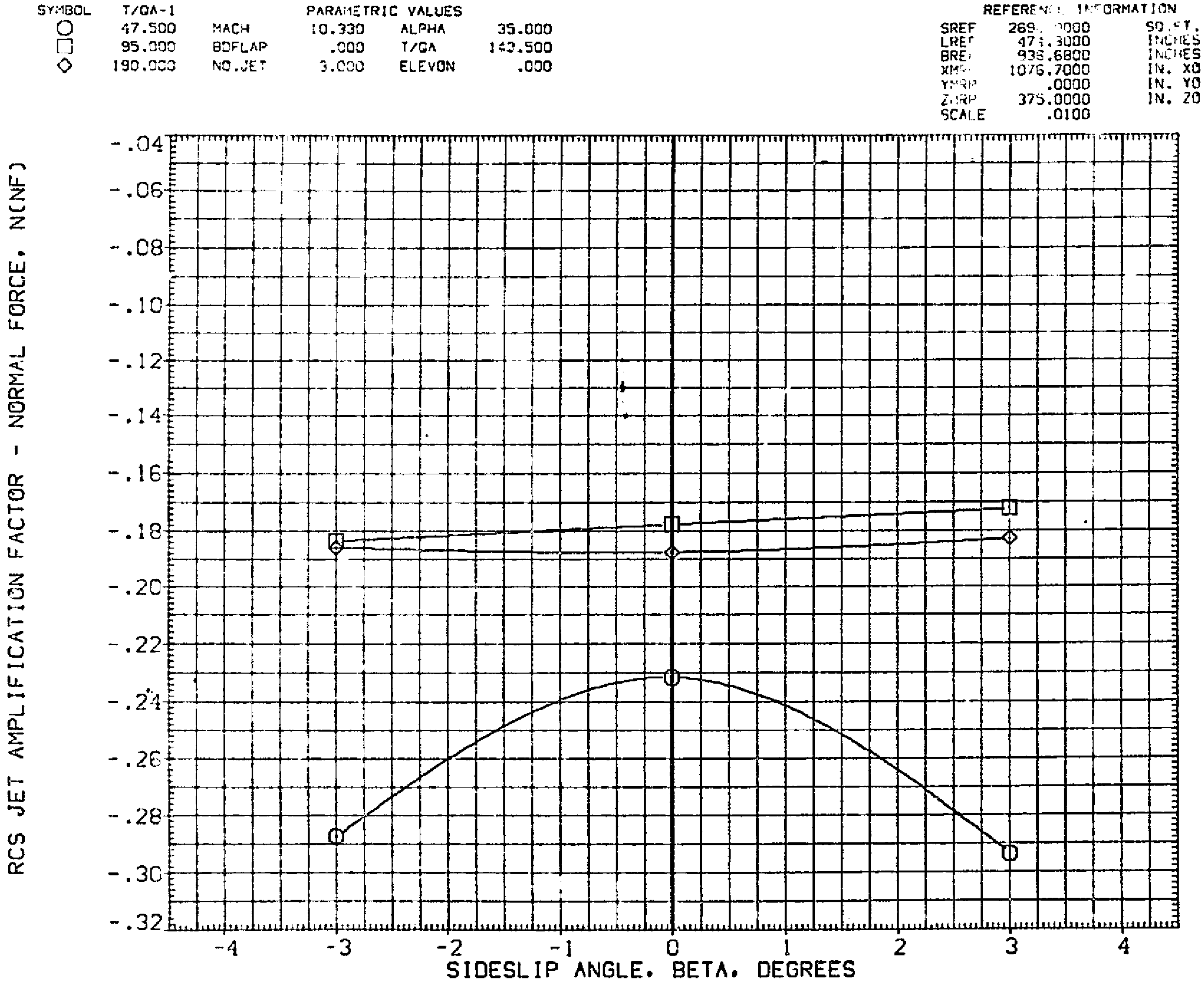

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

01N82 LARC CFHT 118 (MA-22) (CJA181)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

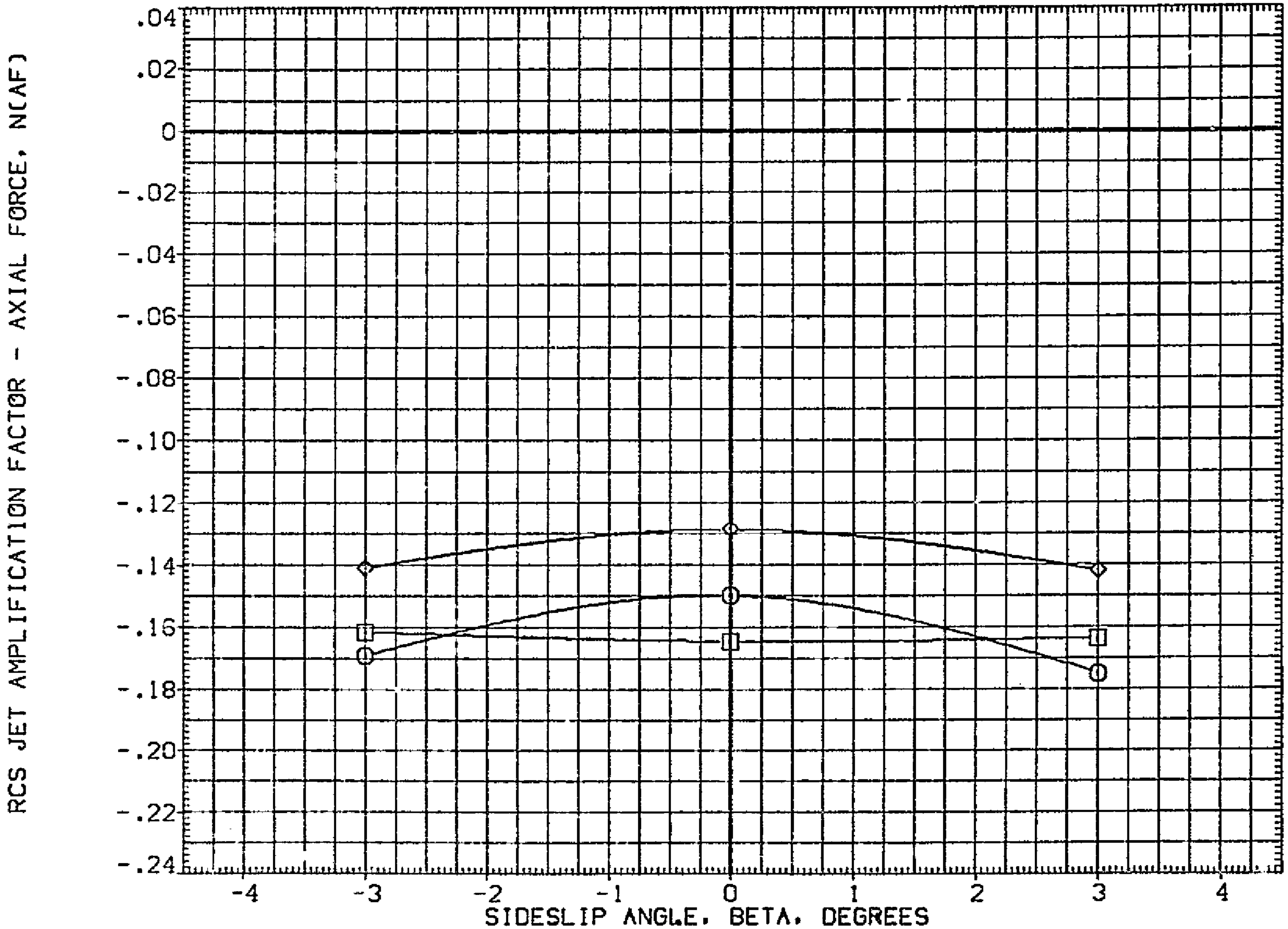

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

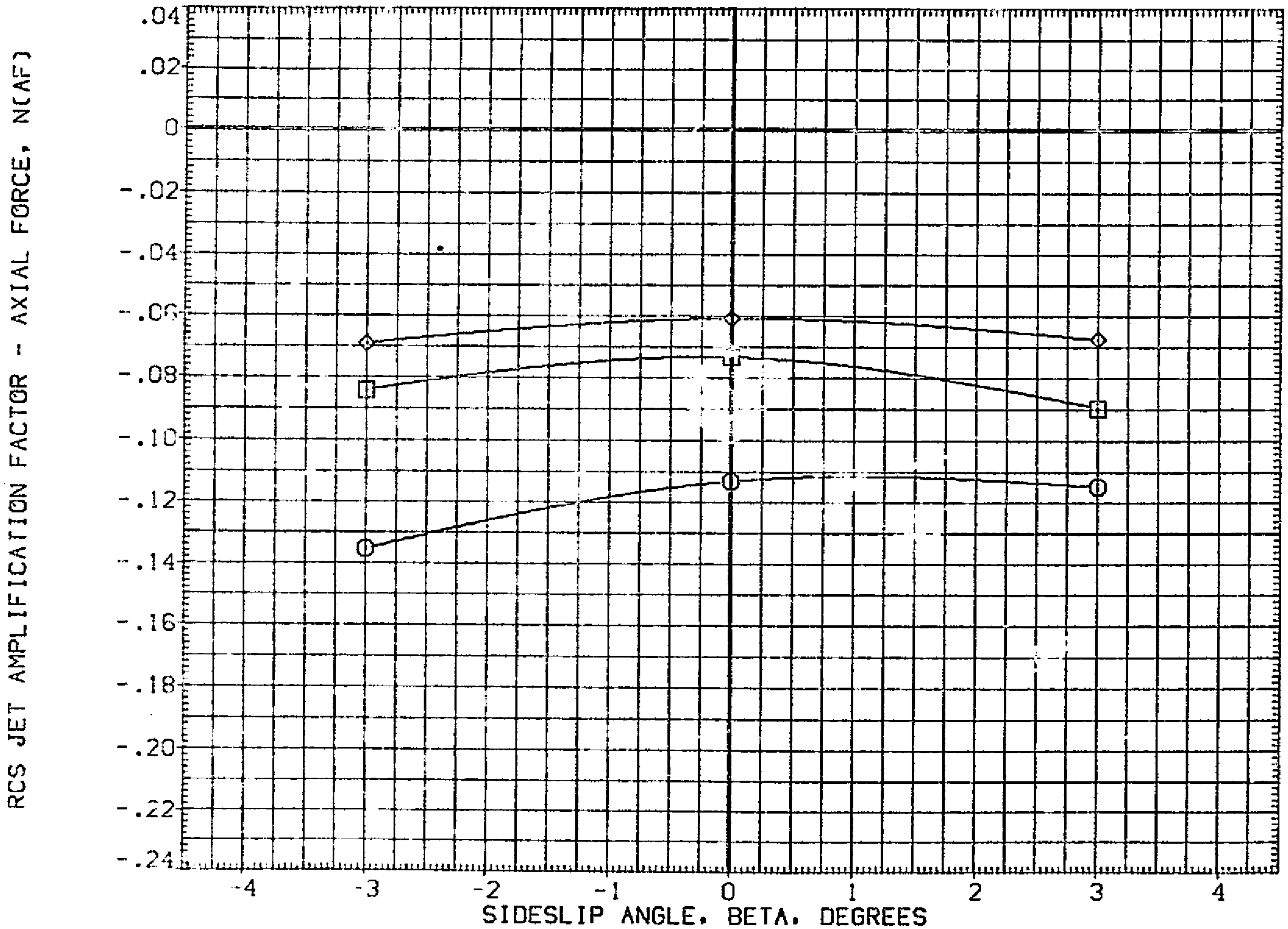

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

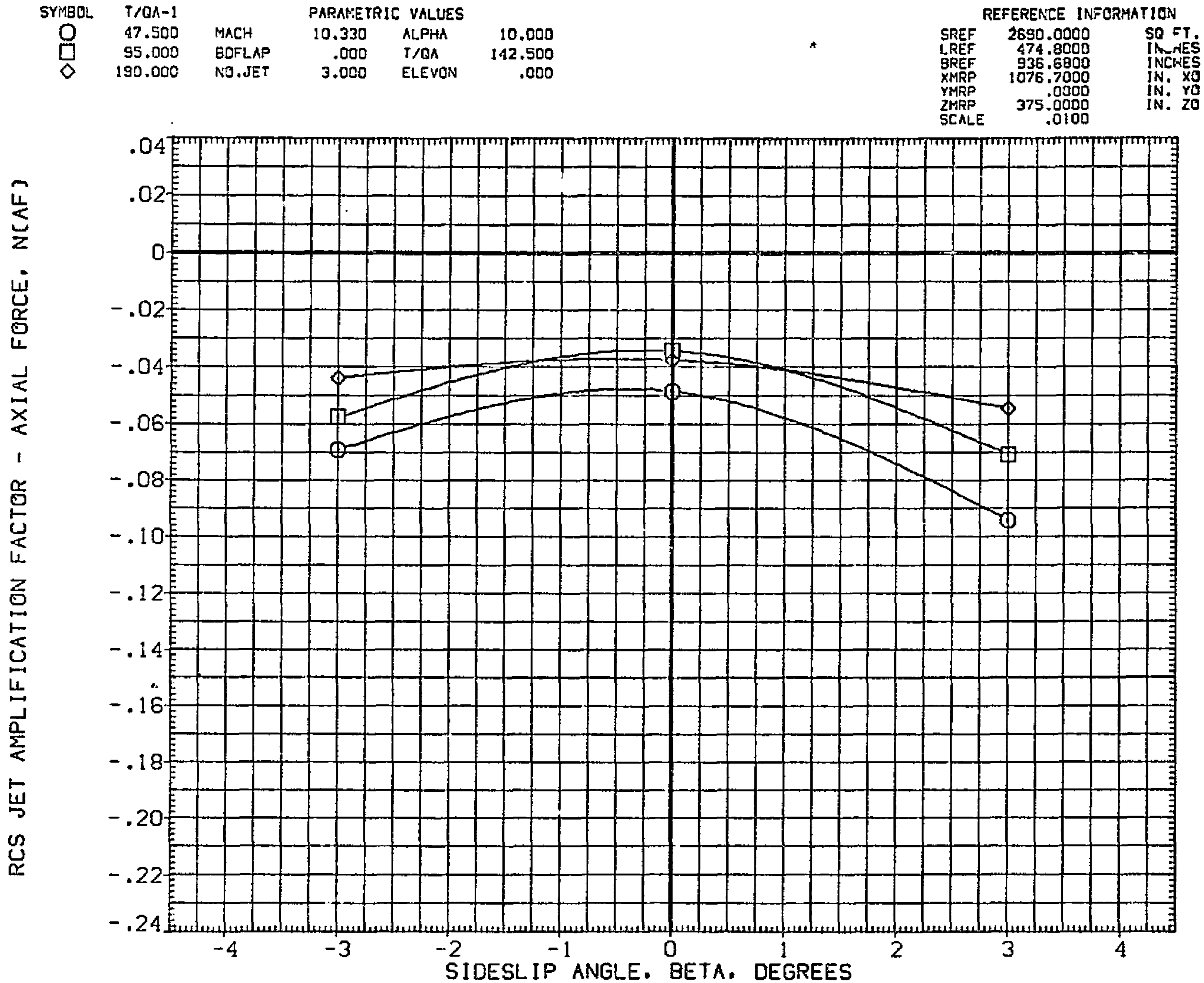

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

01N82 LARC CFHT 118 (MA-22) (CJA181)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

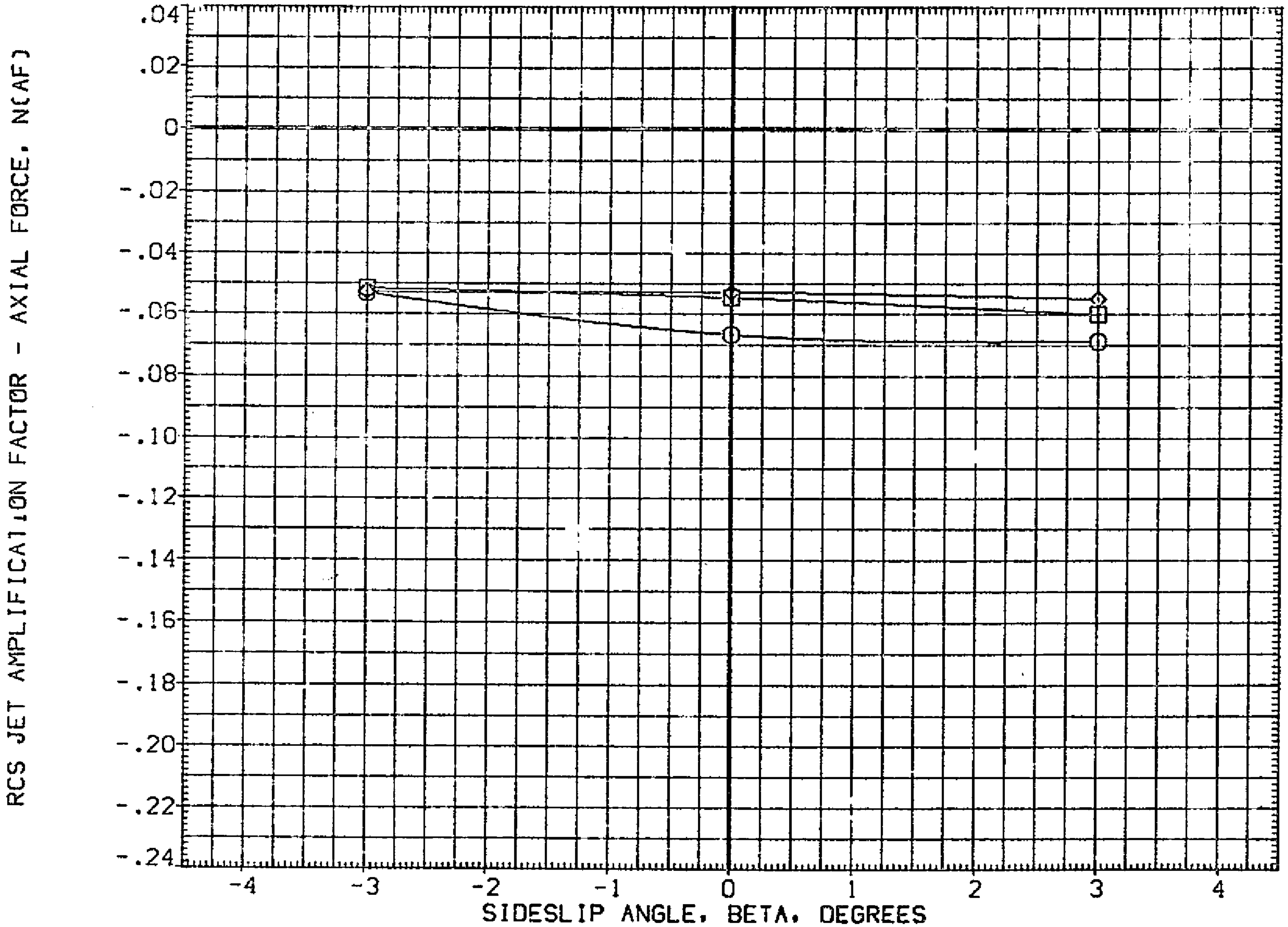

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

01N82 LARC CFHT 118 (MA-22) (CJA181)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

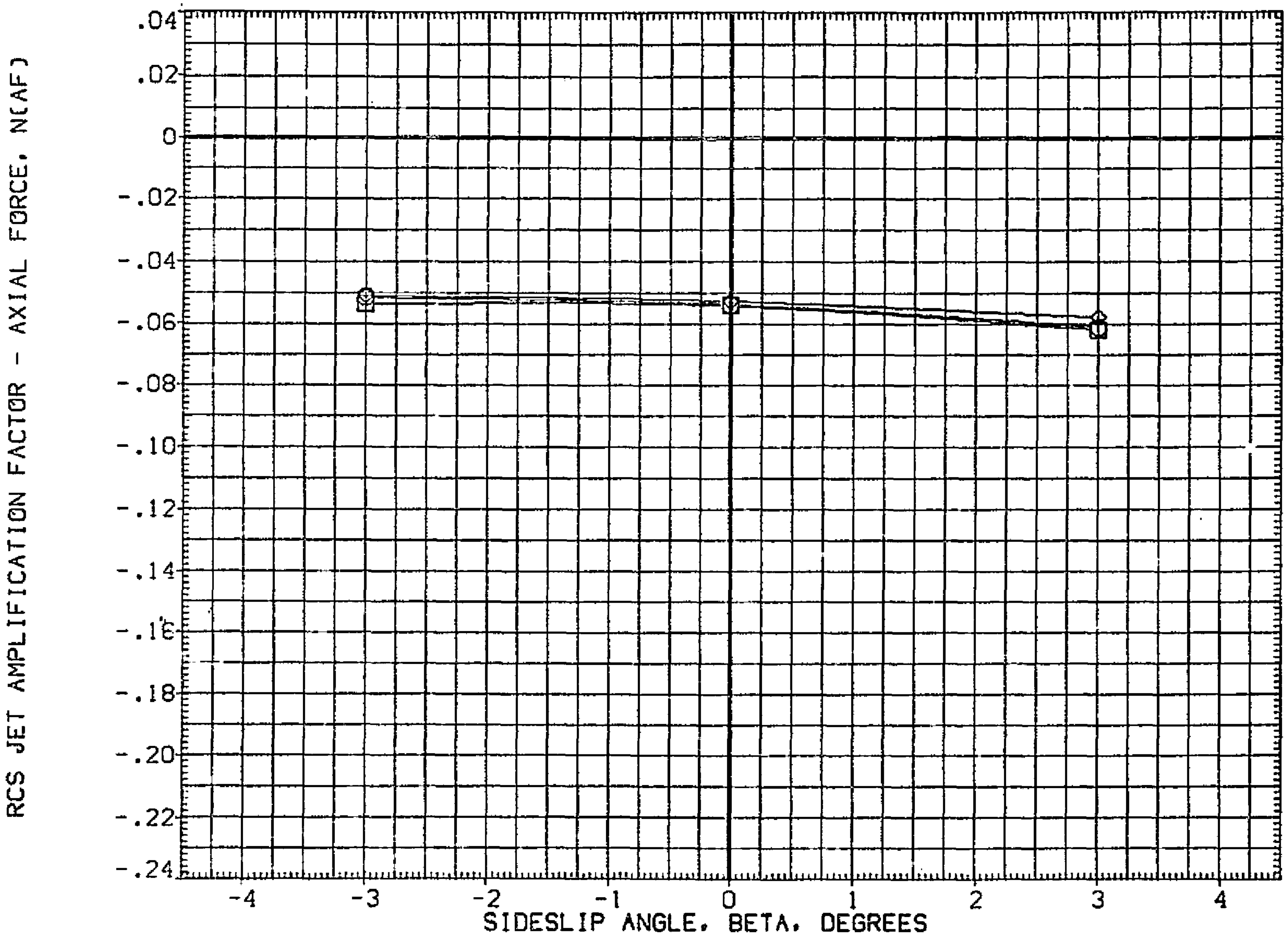

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/QA-1
○	47.500
□	95.000
◇	190.000

PARAMETRIC VALUES

MACH	10.330	ALPHA	-10.000
BDFLAP	.000	T/QA	142.500
NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

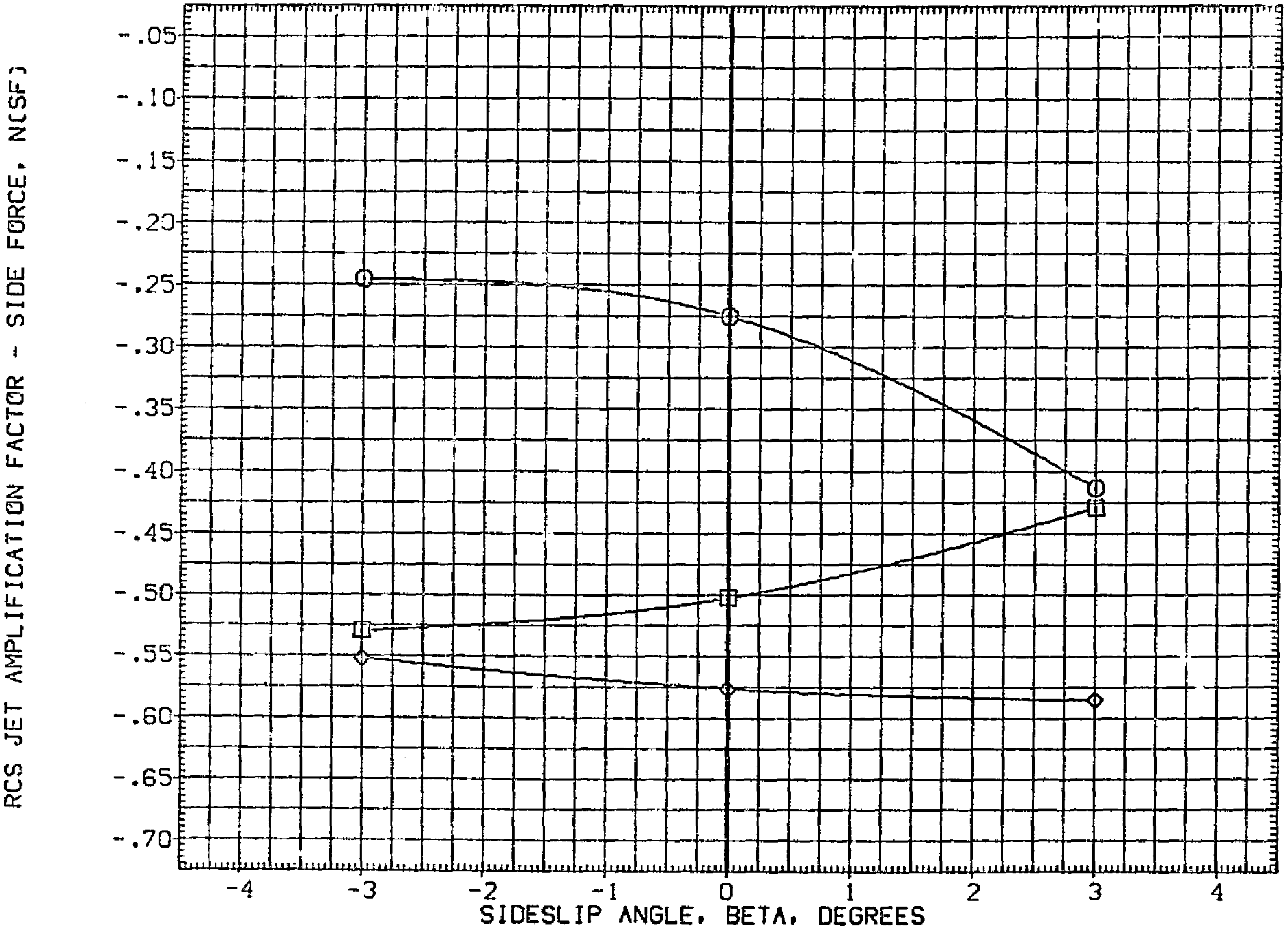

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

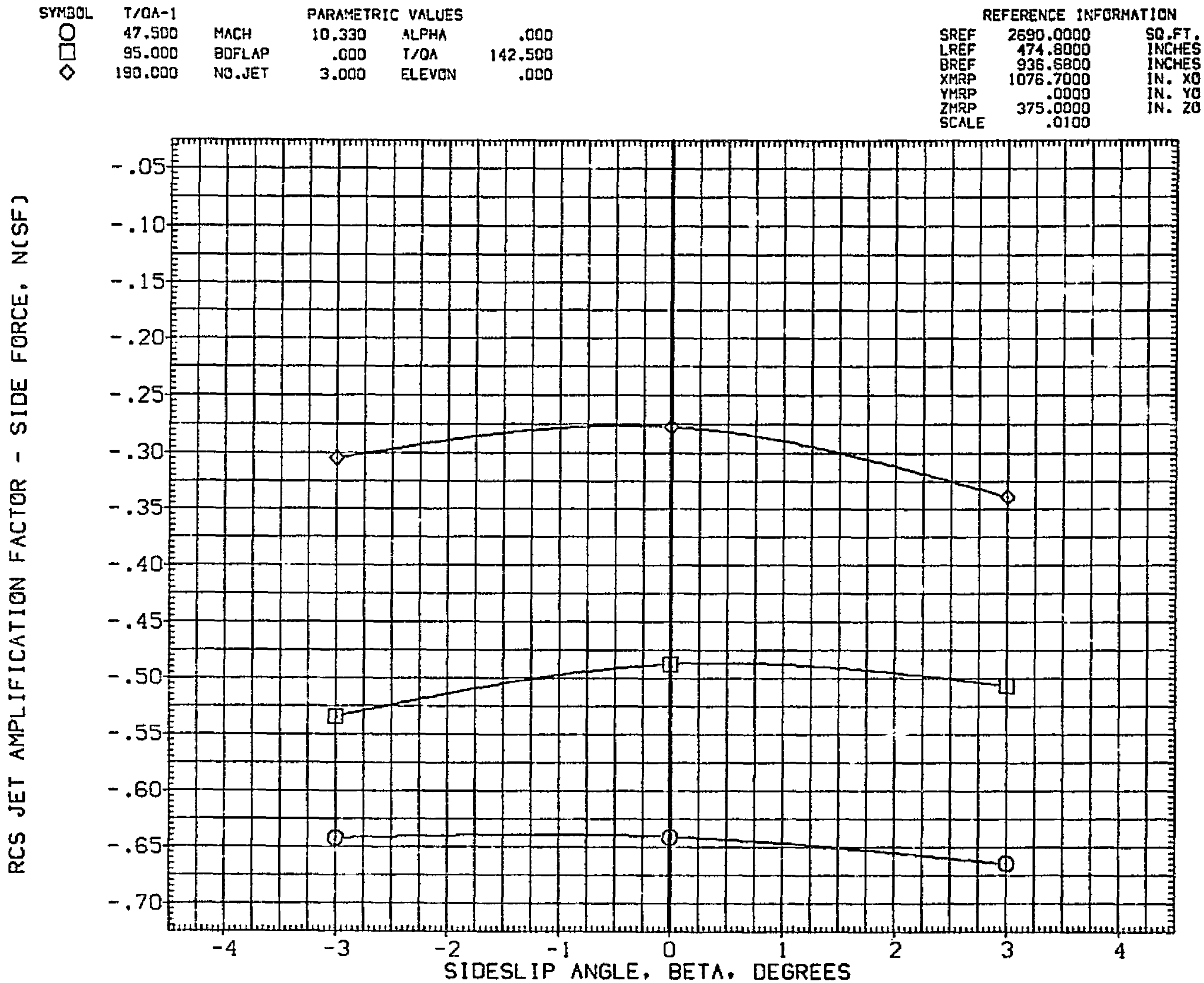

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

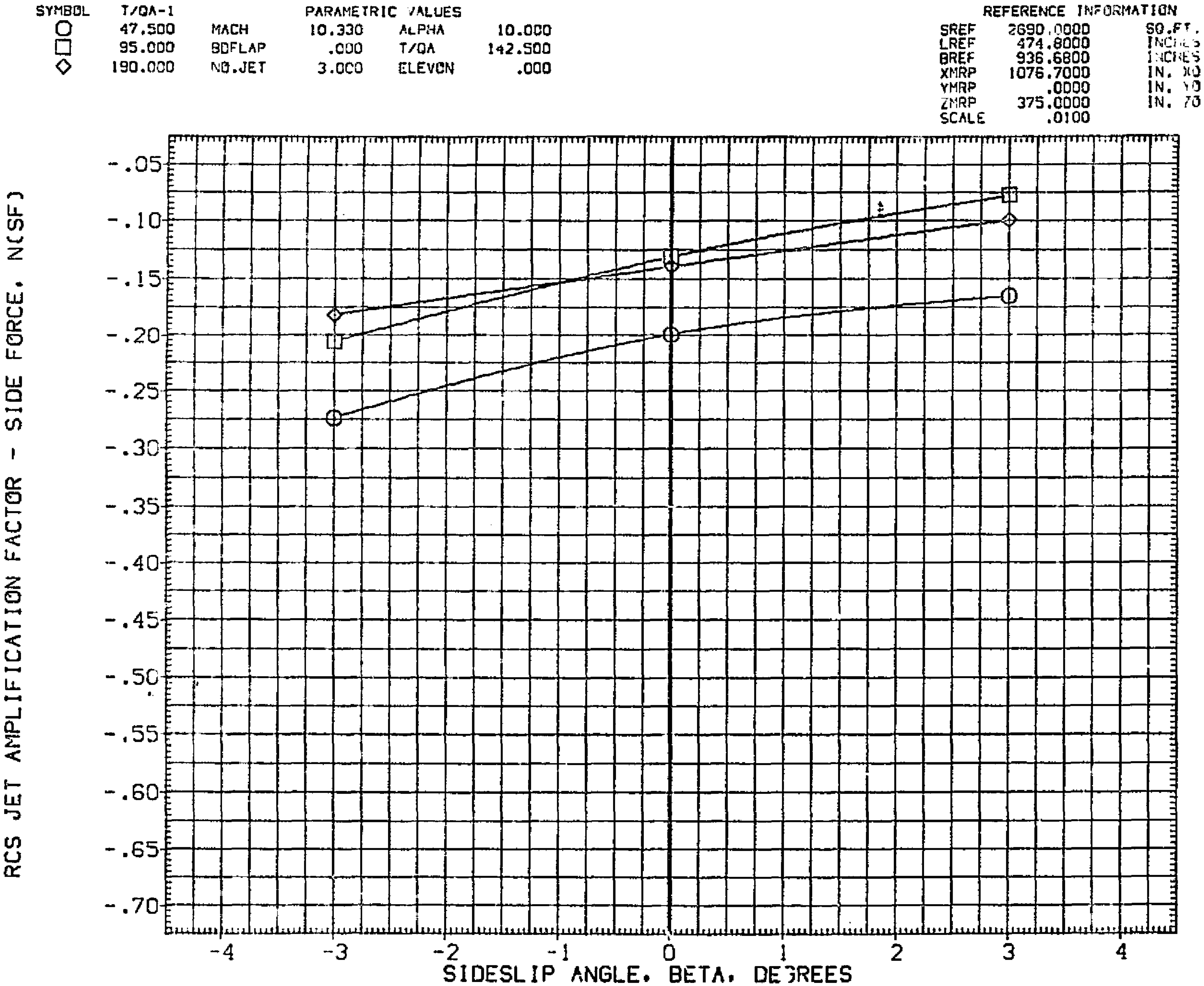

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

01N82 LARC CFHT 118 (MA-22) (CJA181)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	142.500
◇	190.000	NO.JET	3.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

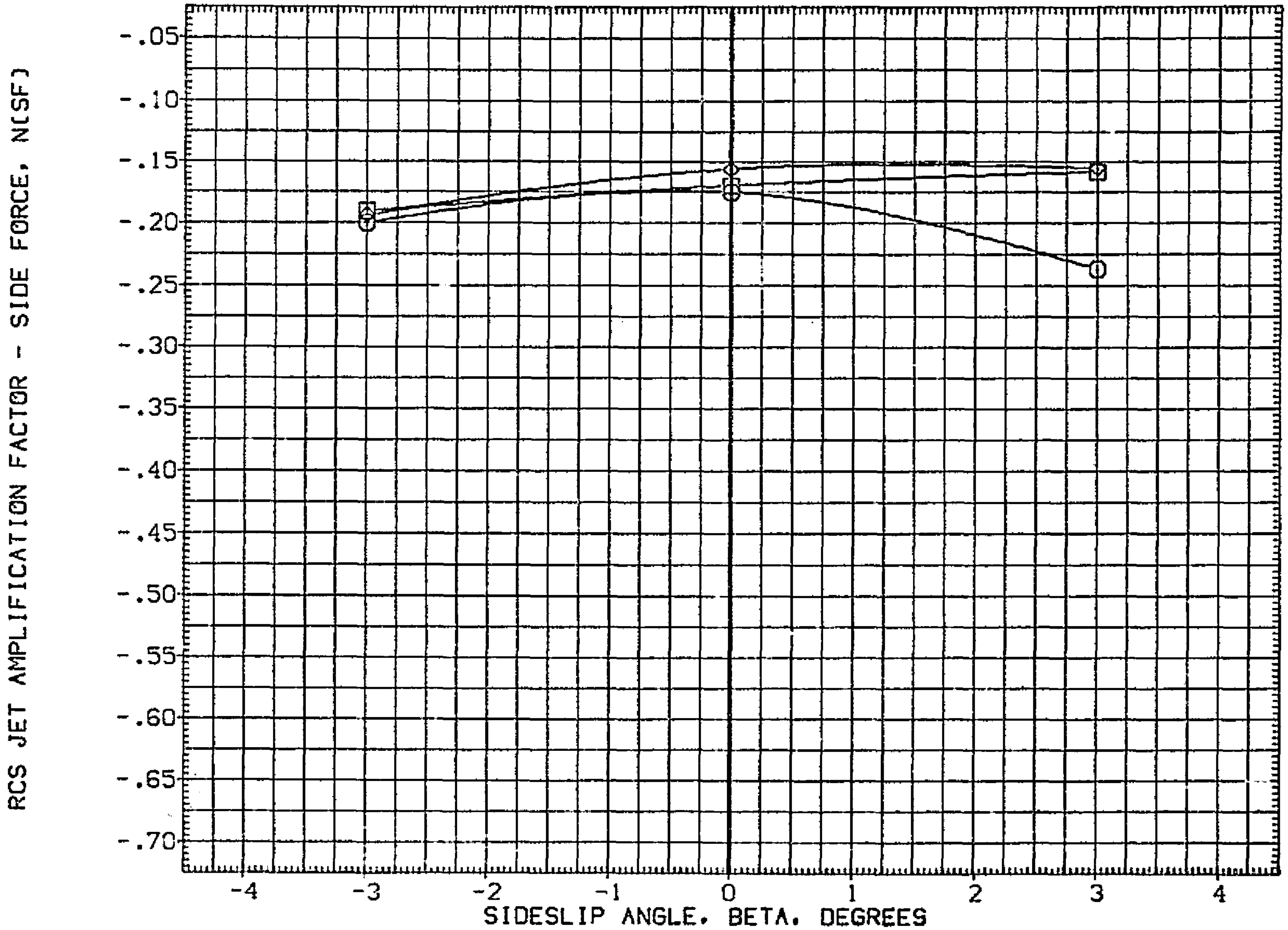

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

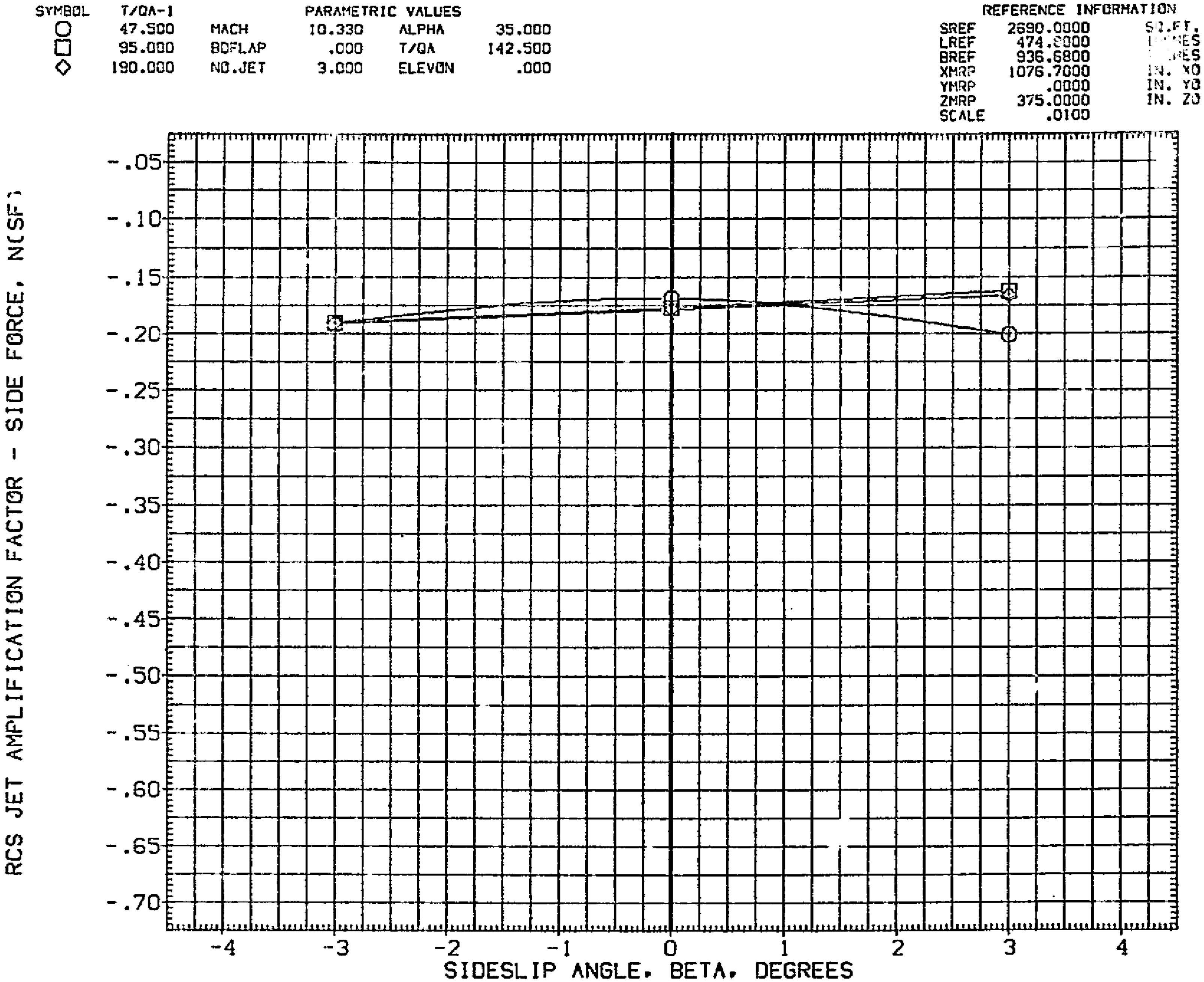

FIGURE 87. AMPLIFICATION FACTOR IN YAW, N82 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

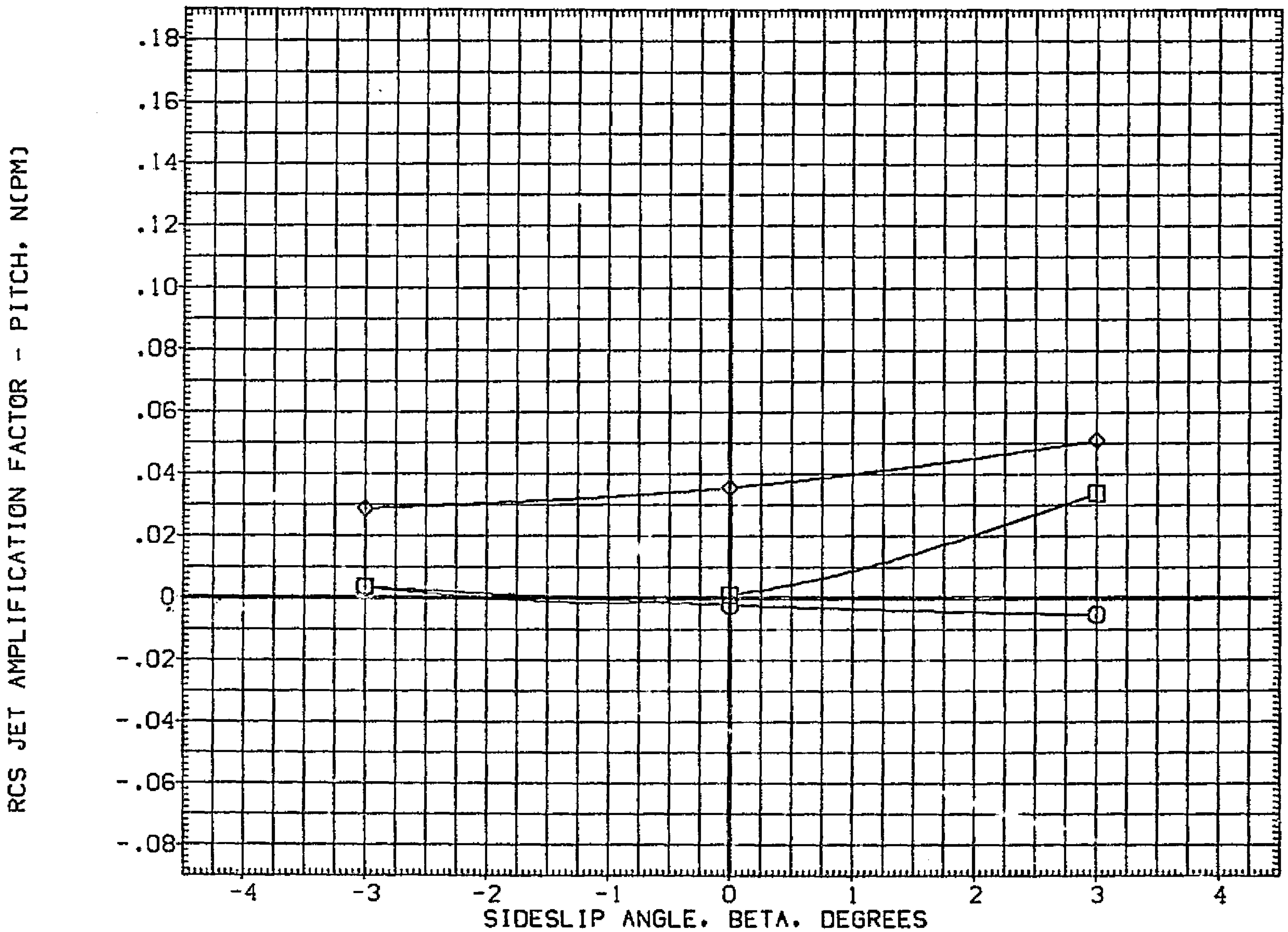

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/OA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	[illegible].6800	INCHES
XMRP	10[illegible]6.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

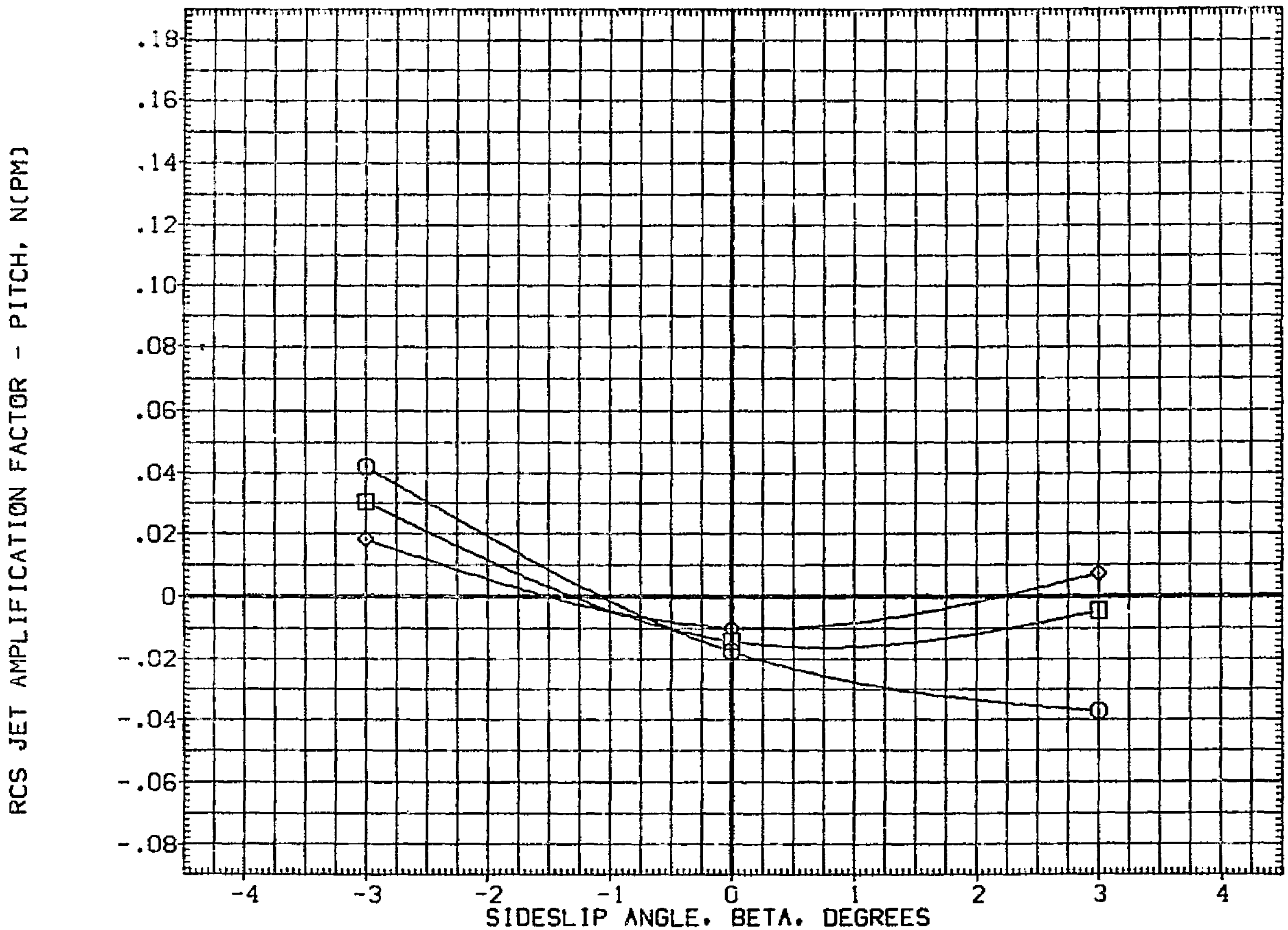

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

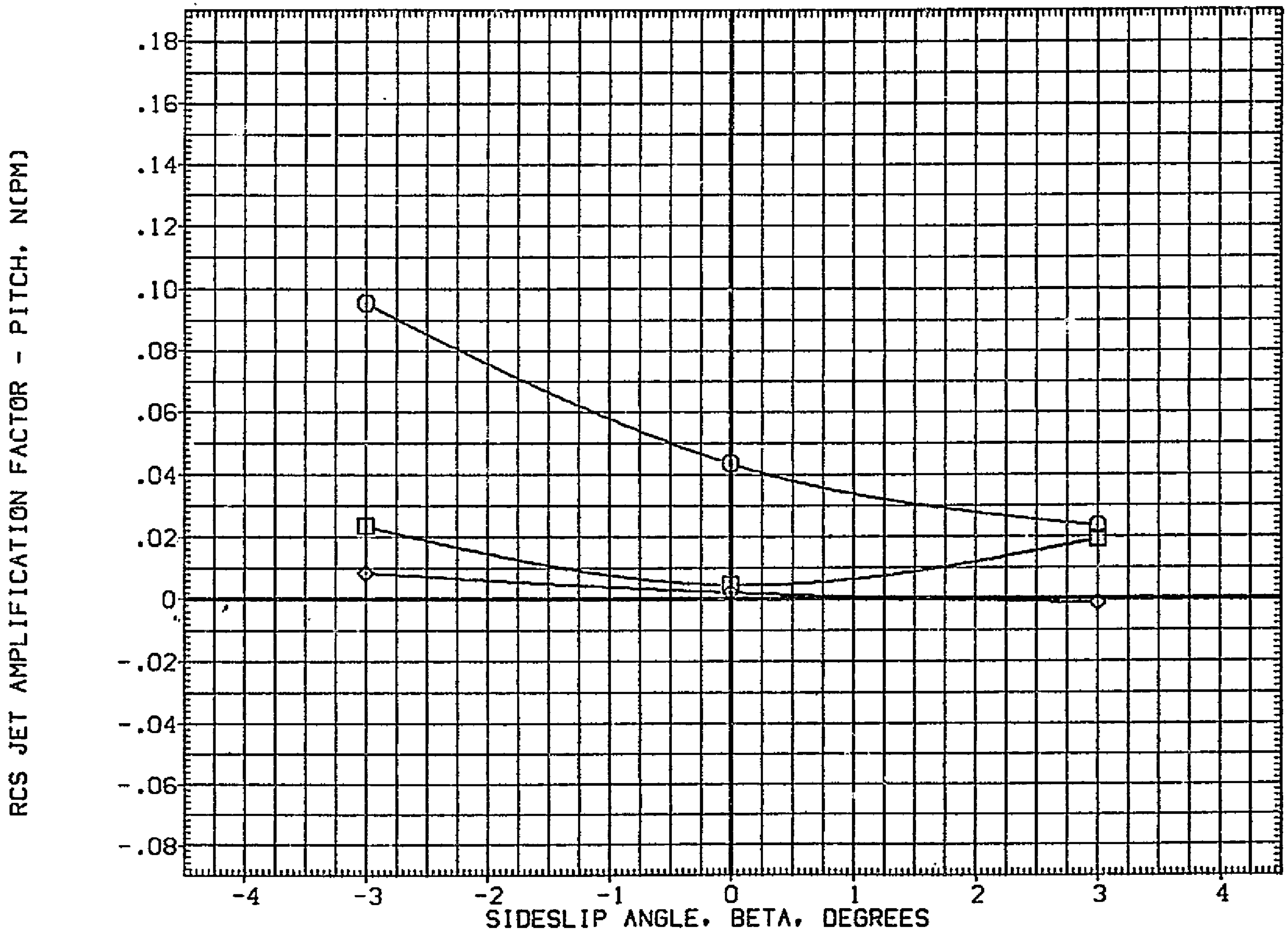

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	1.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

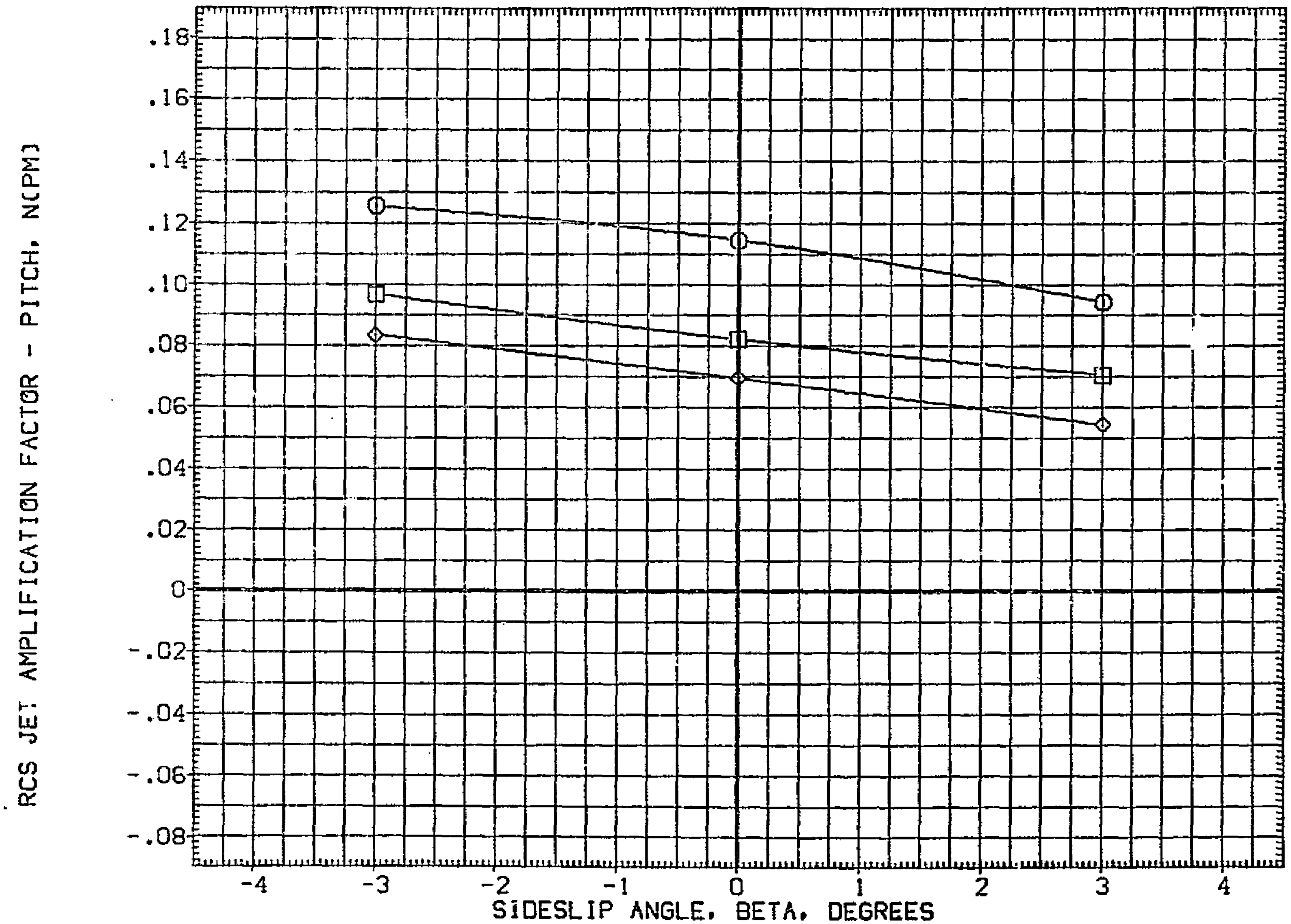

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

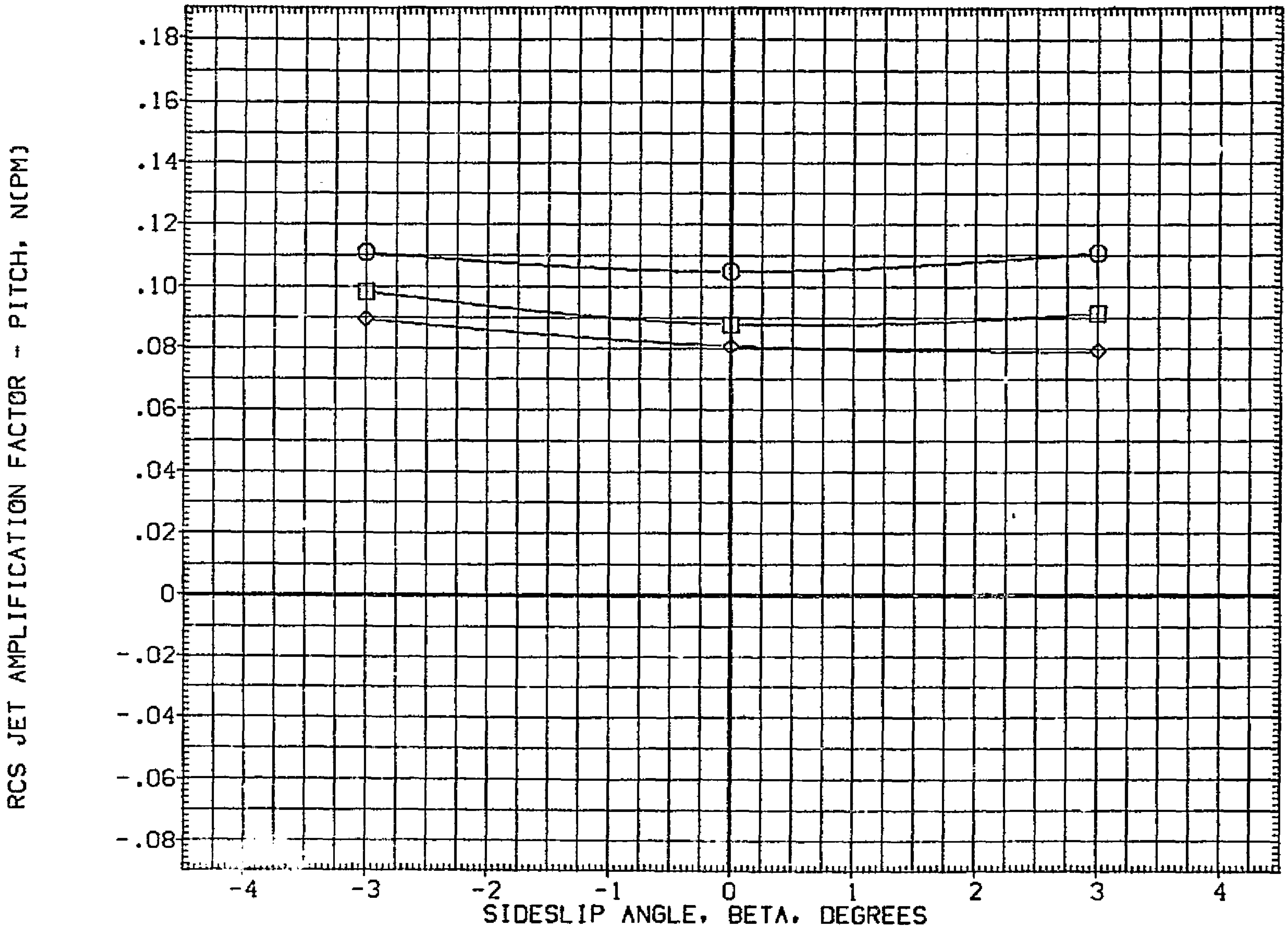

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

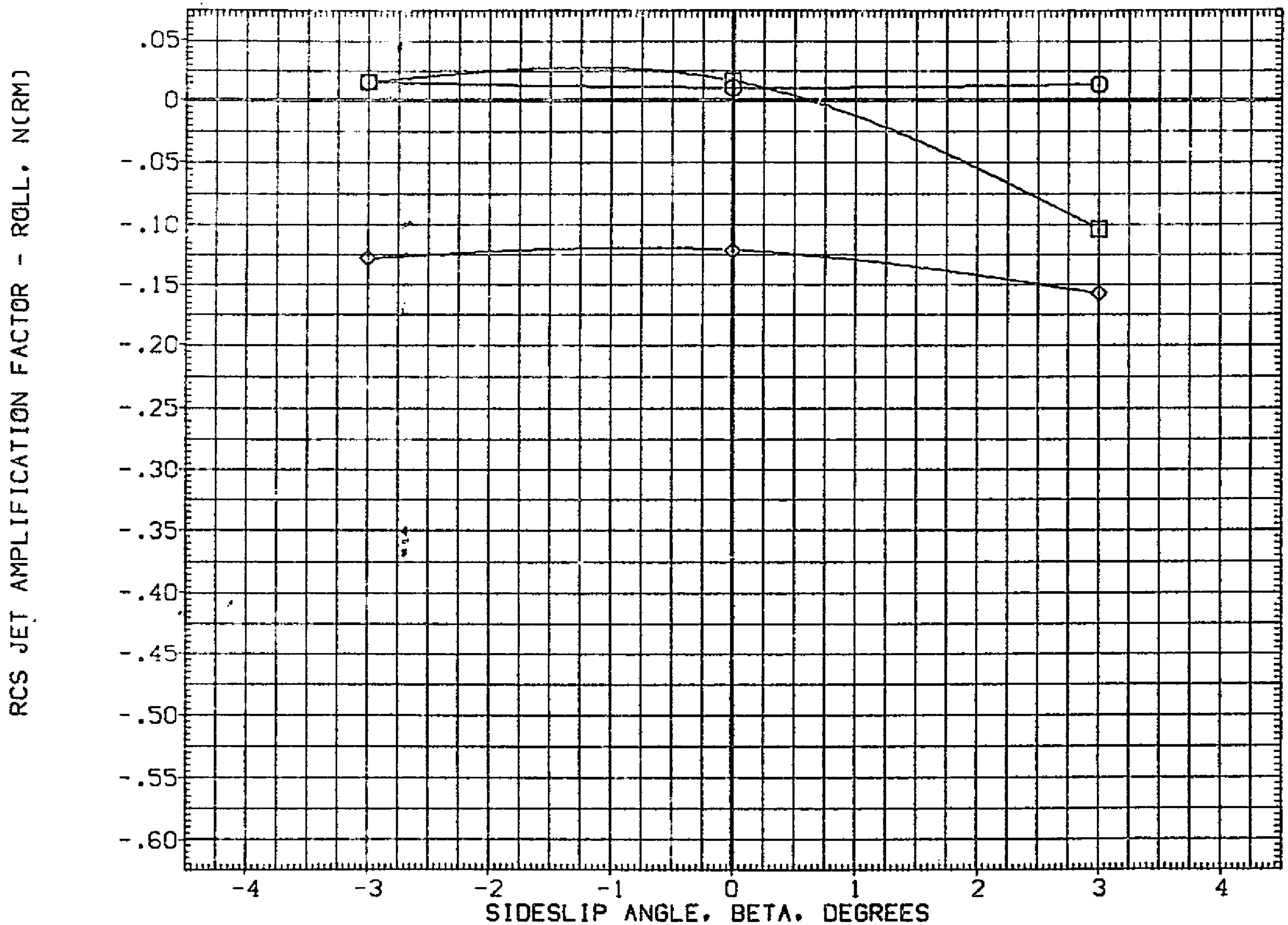

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

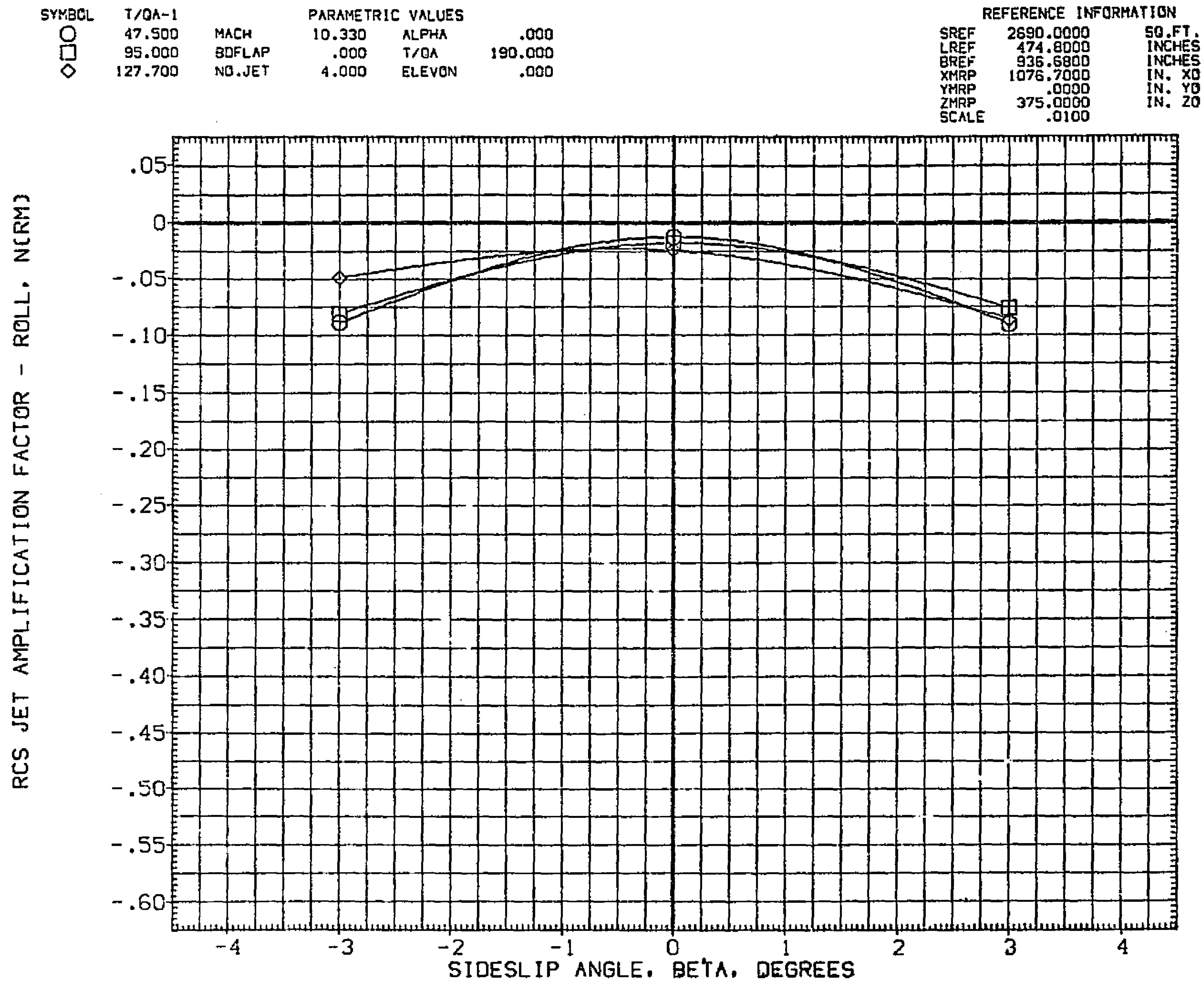

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/GA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

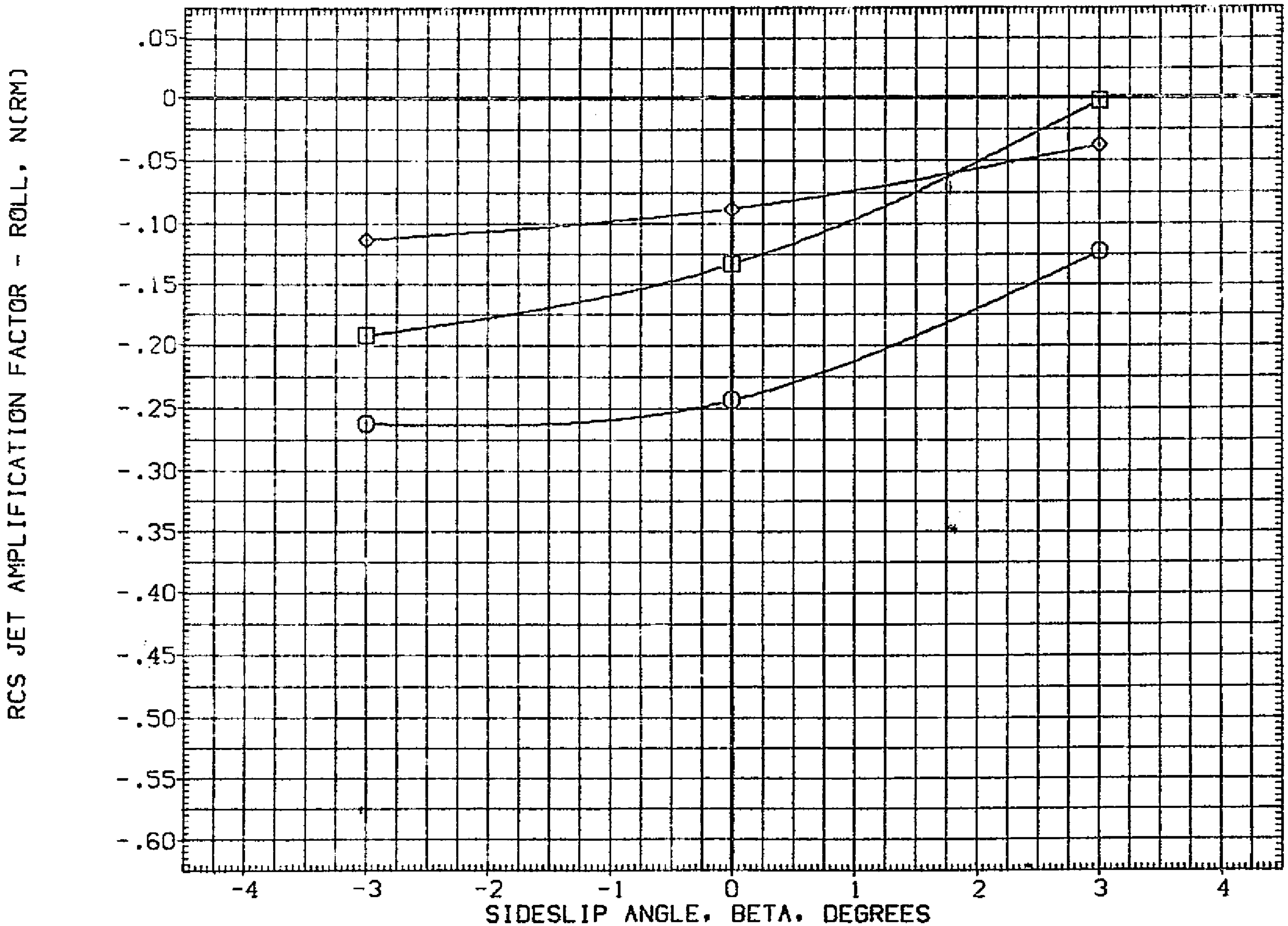

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

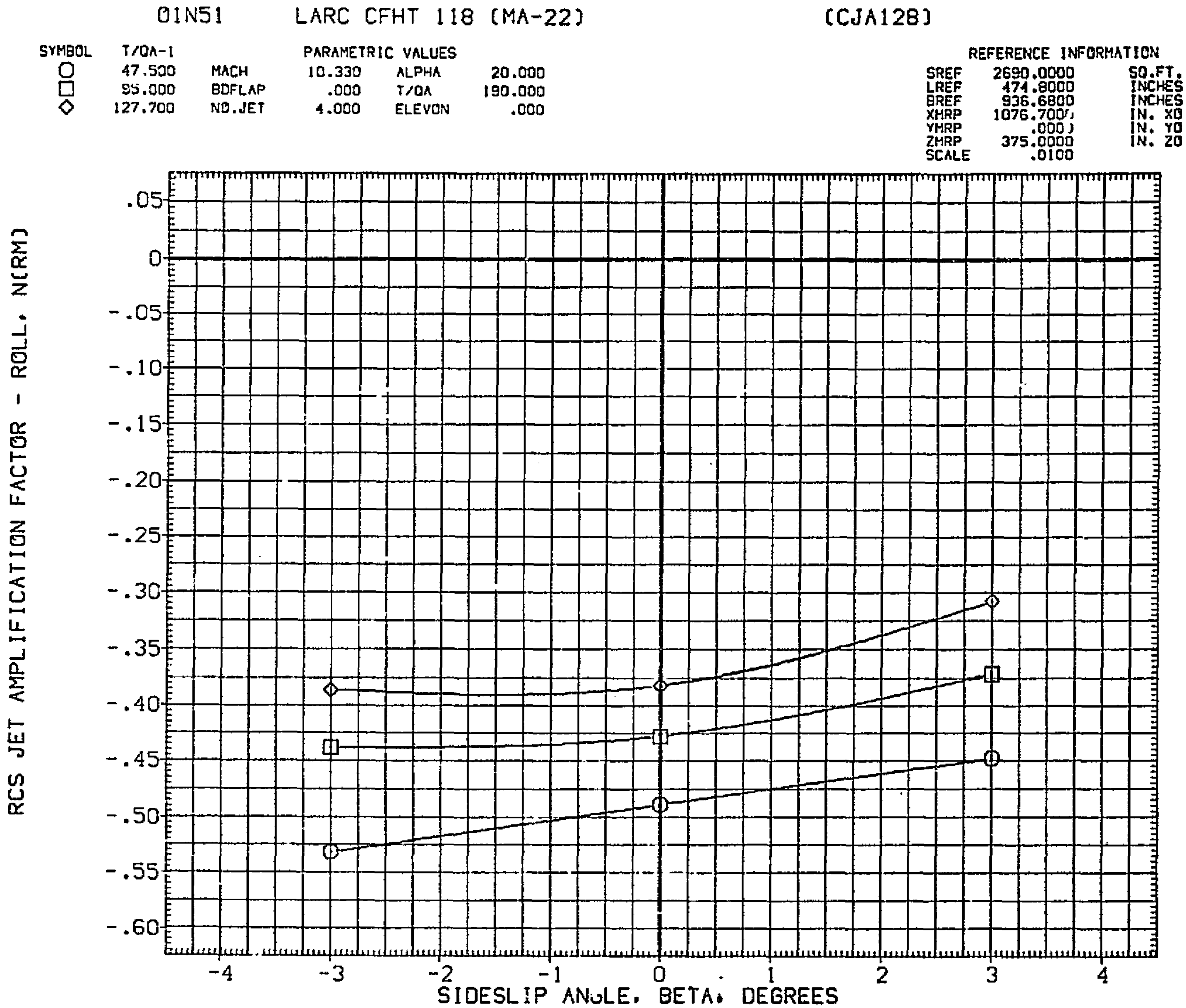

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

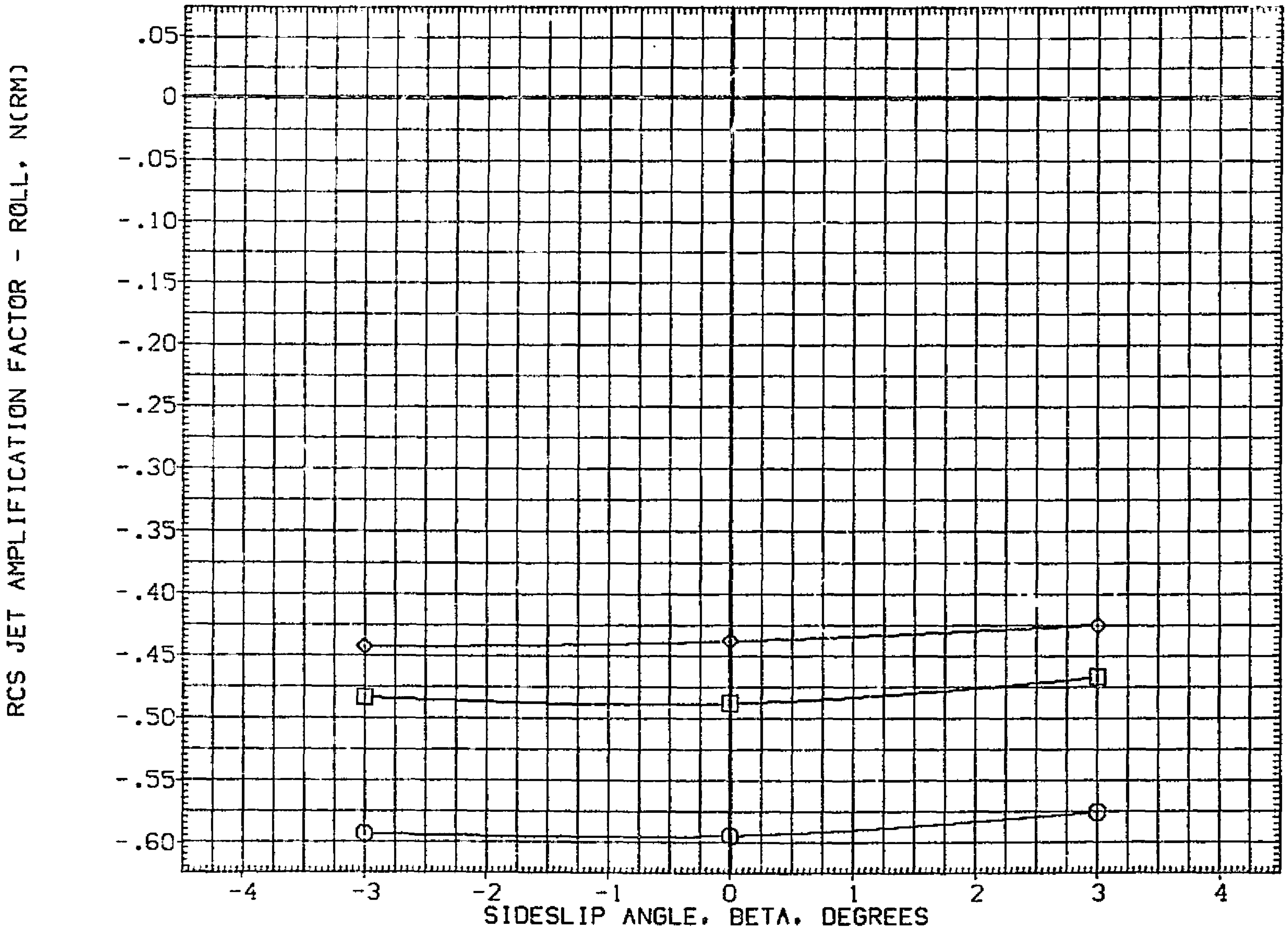

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

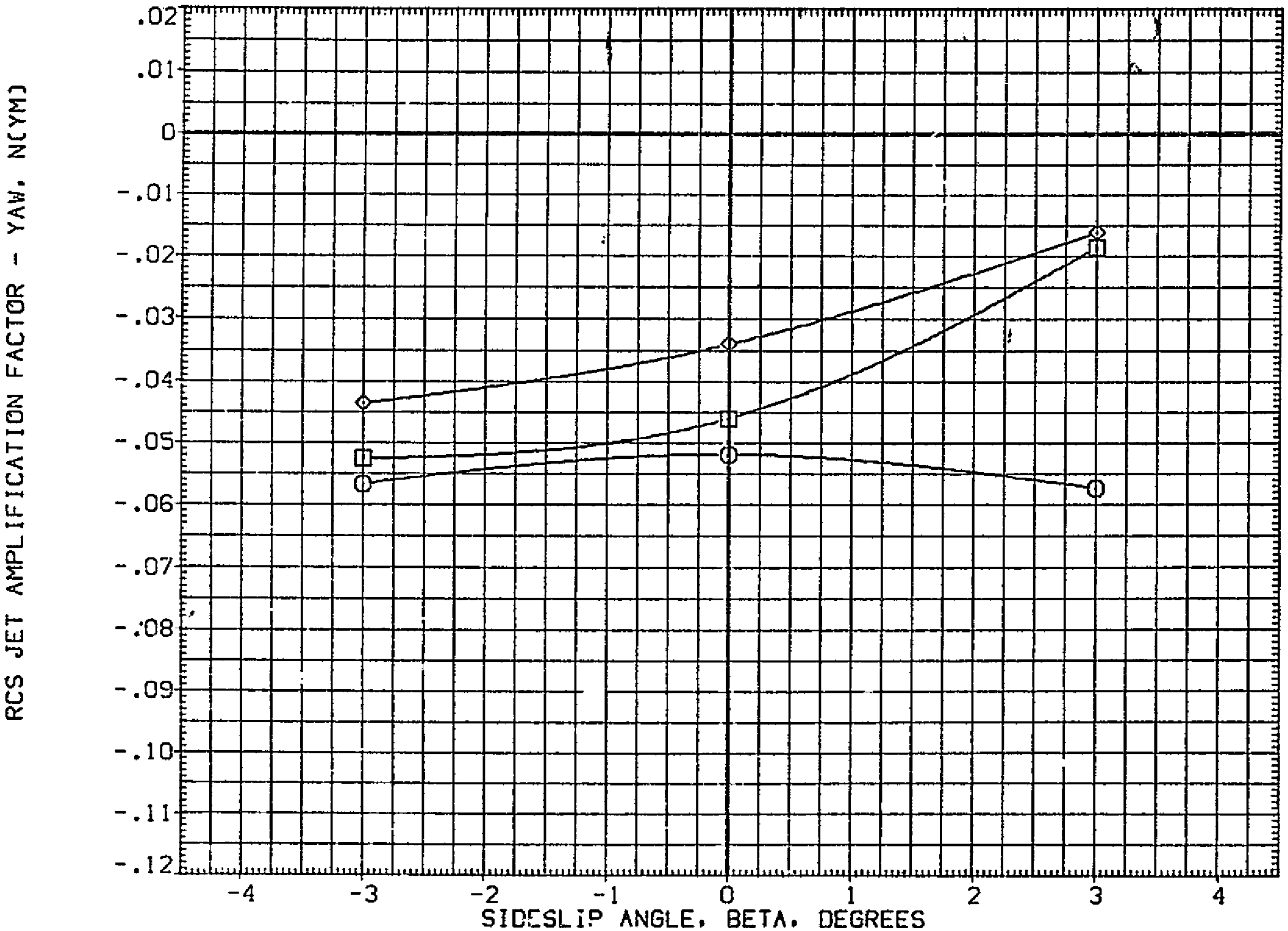

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

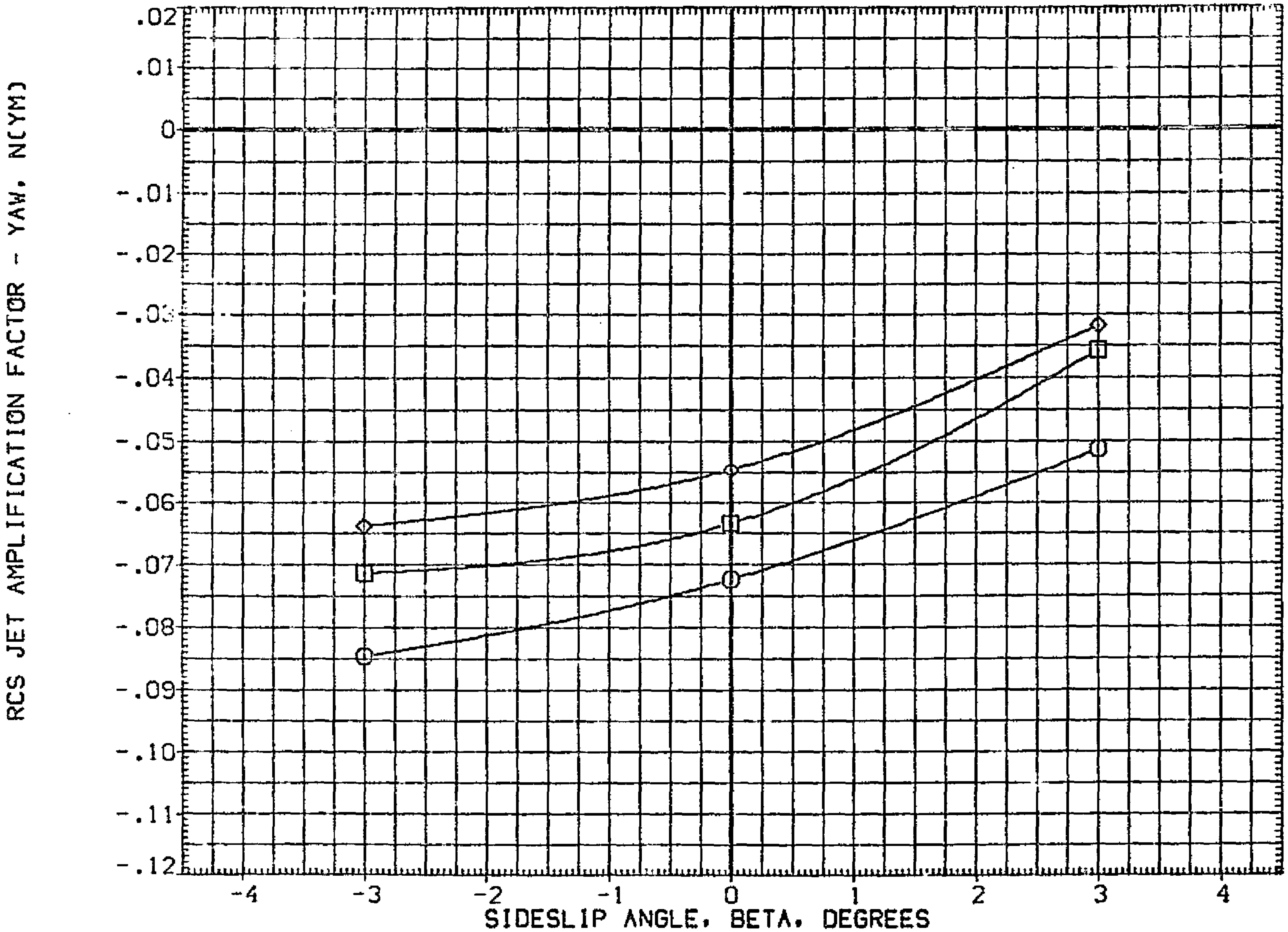

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

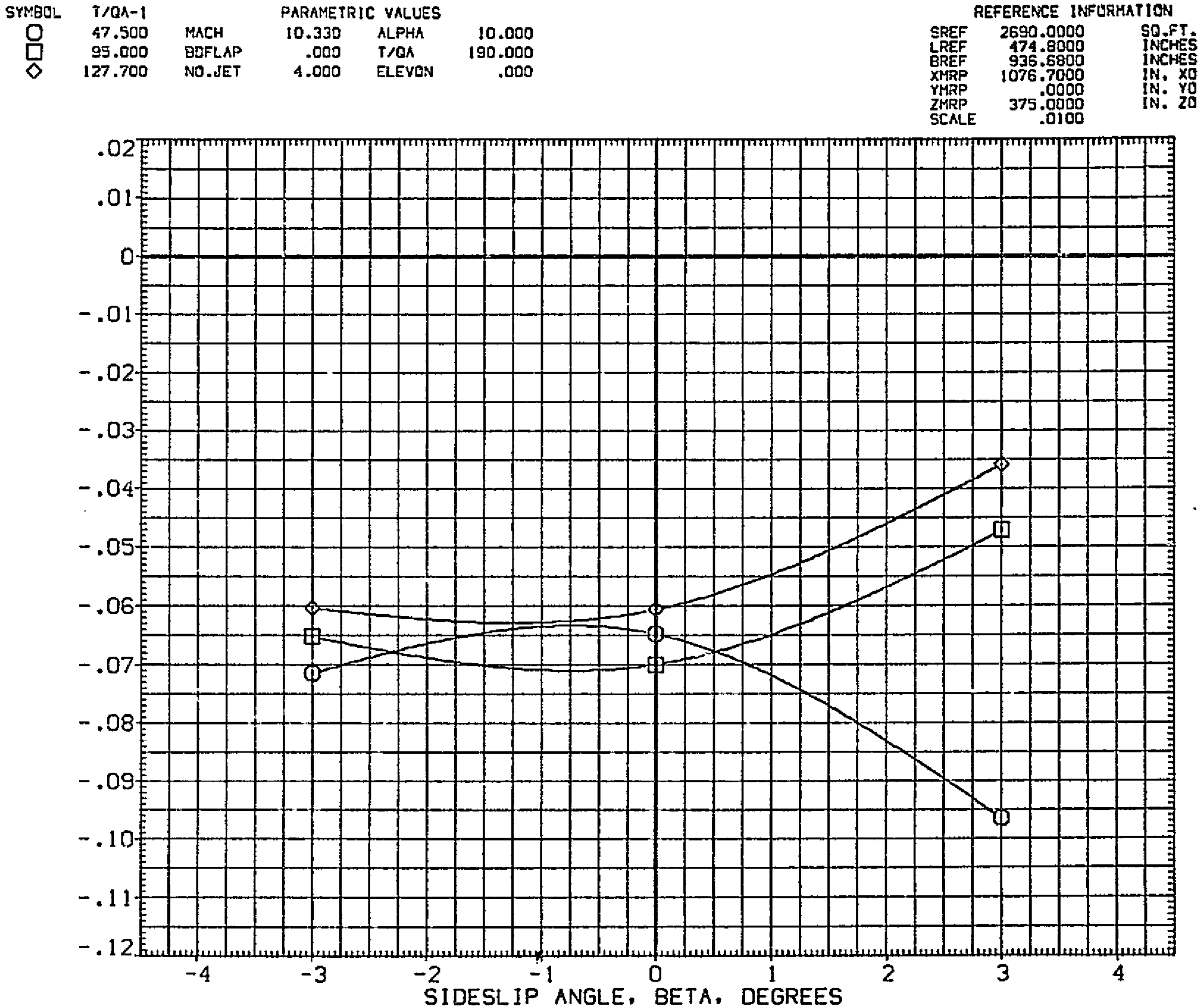

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/OA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2[illegible].0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

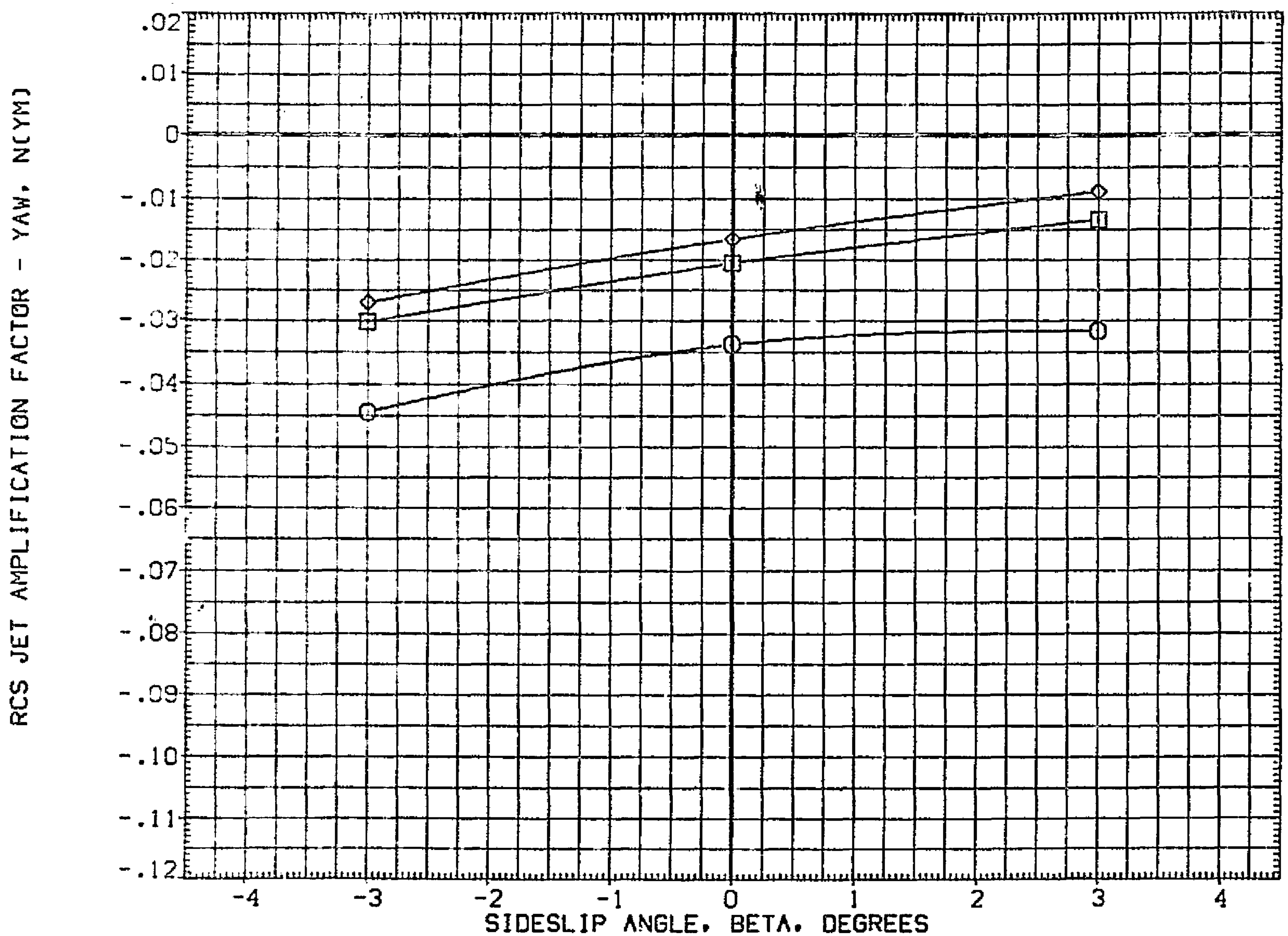

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

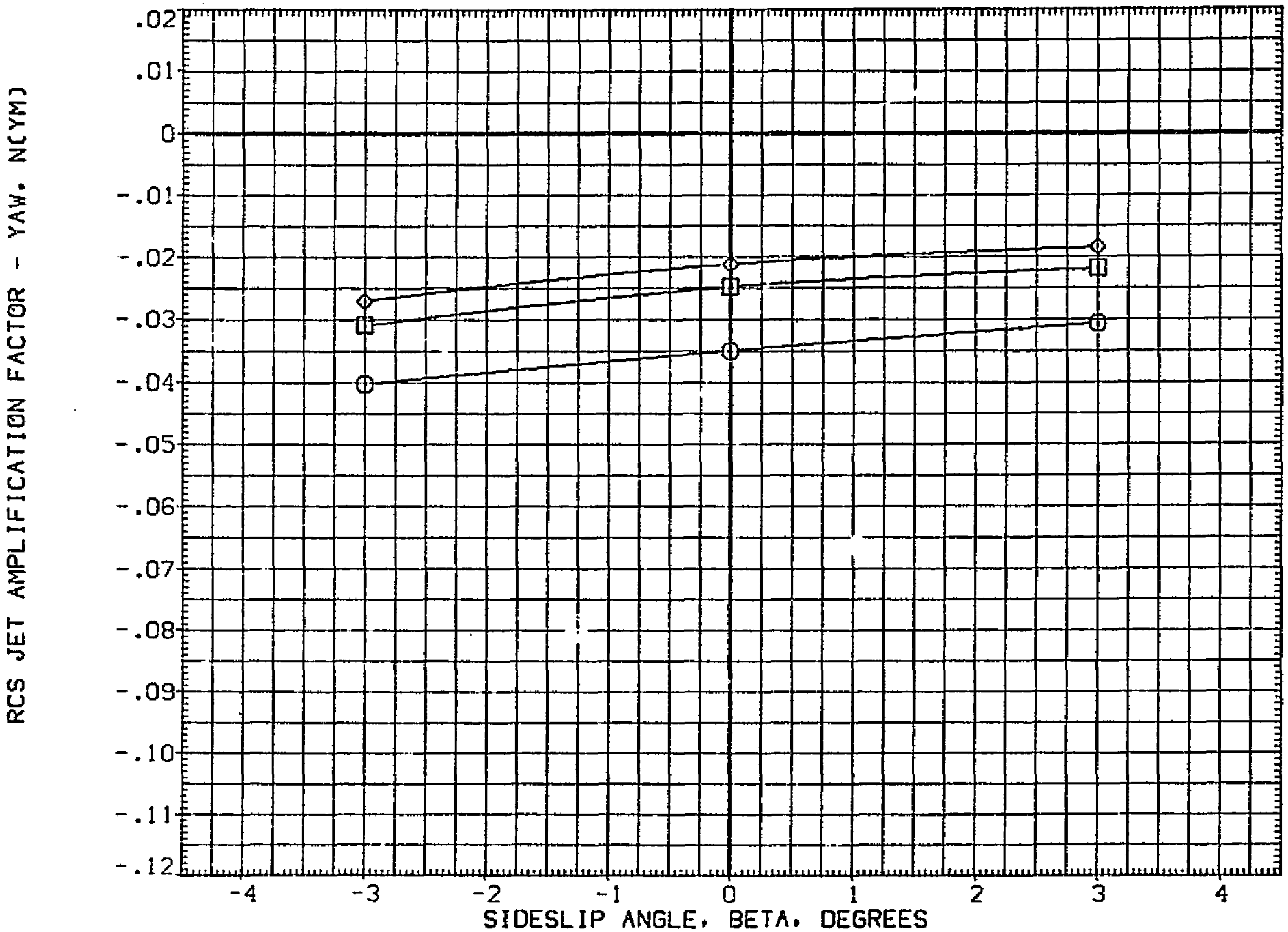

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

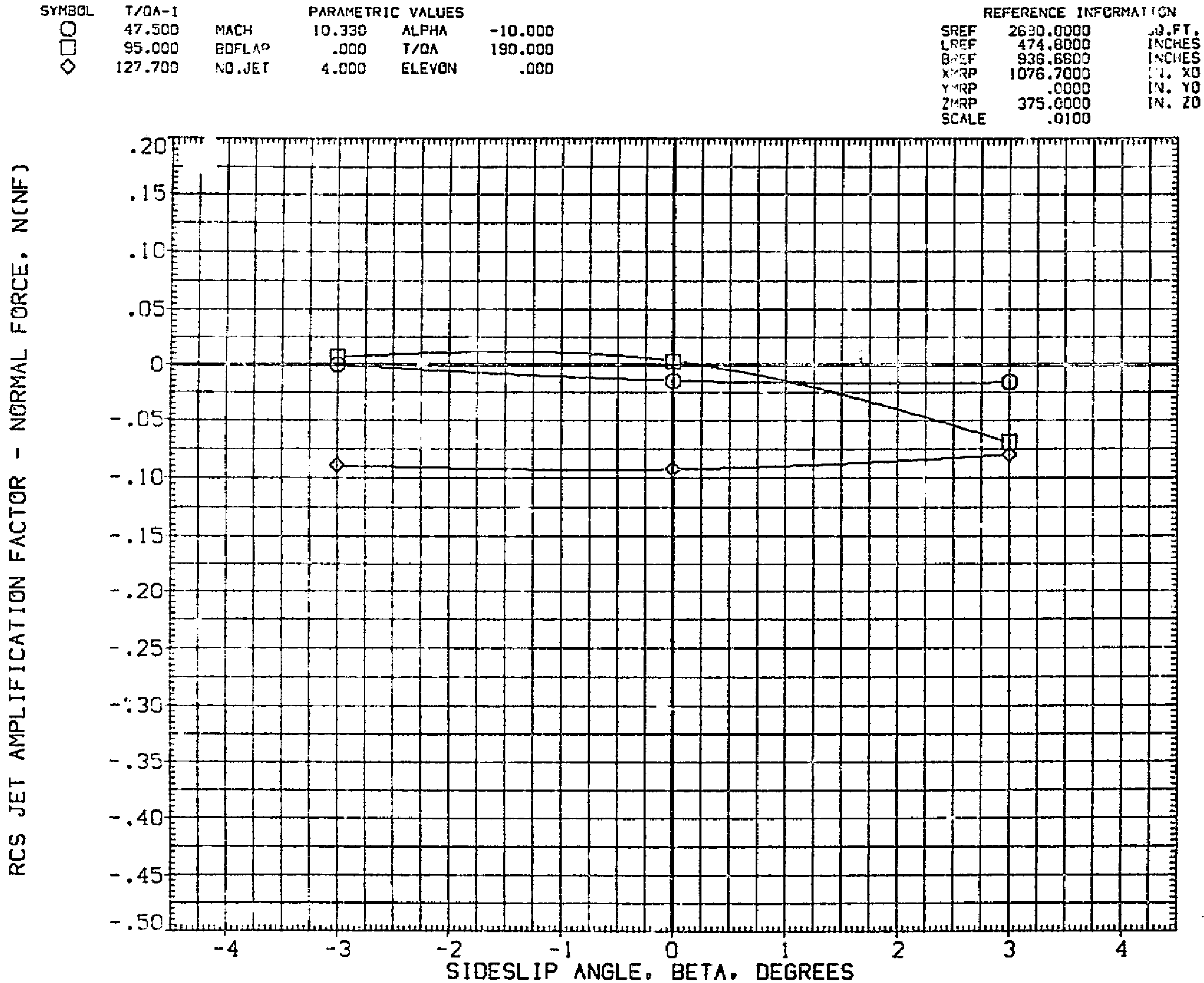

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
O	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

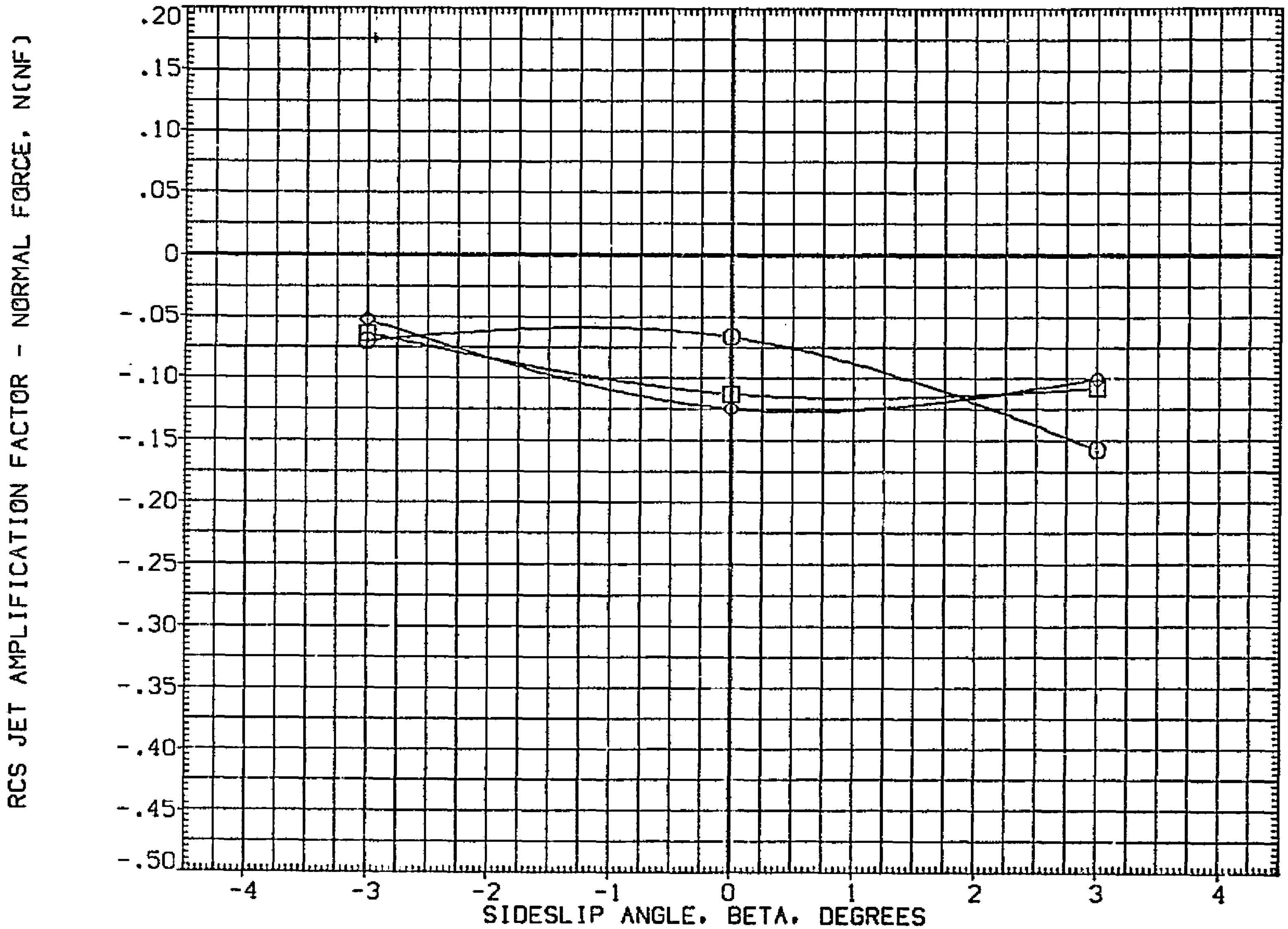

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

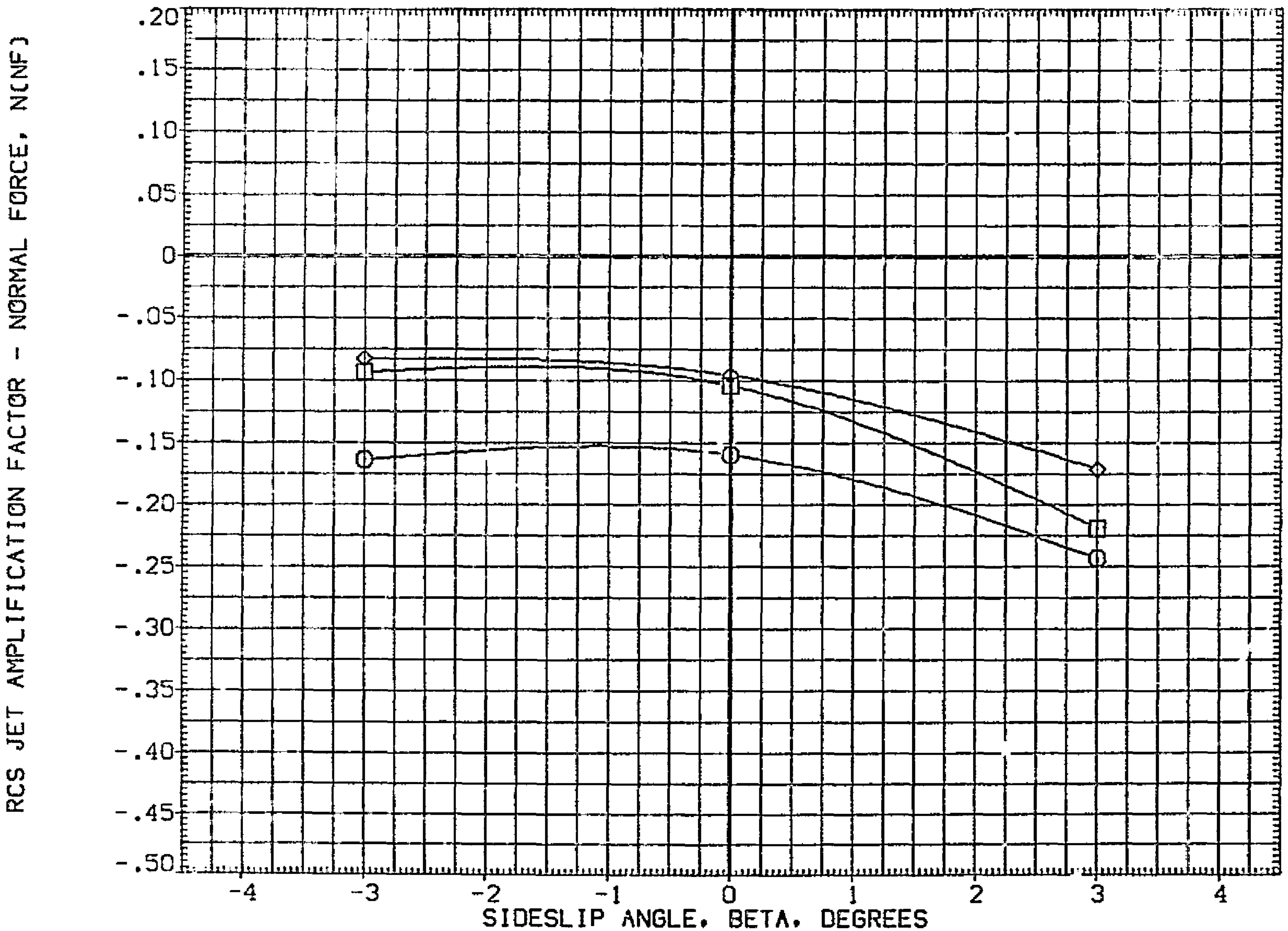

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/OA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

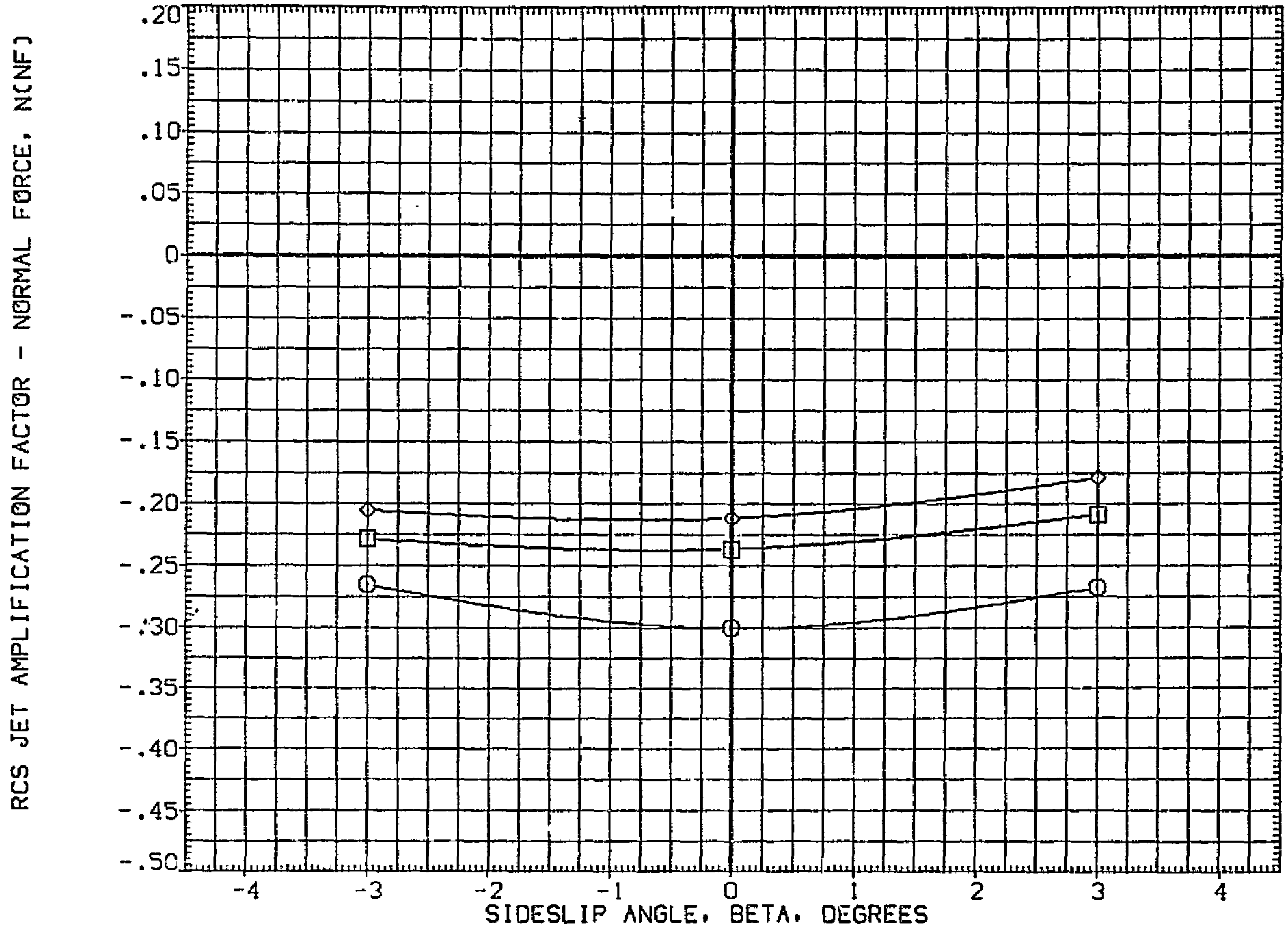

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

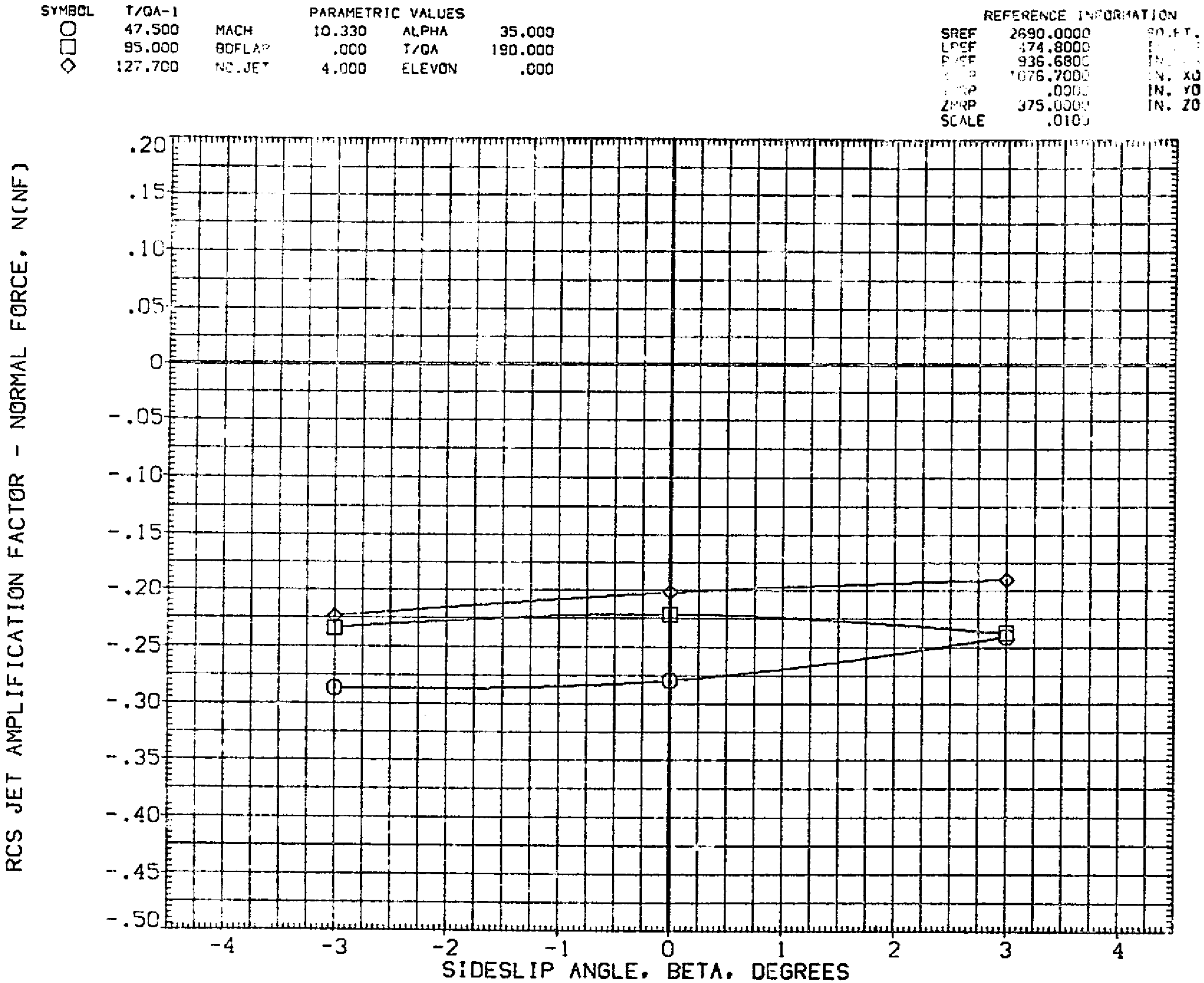

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

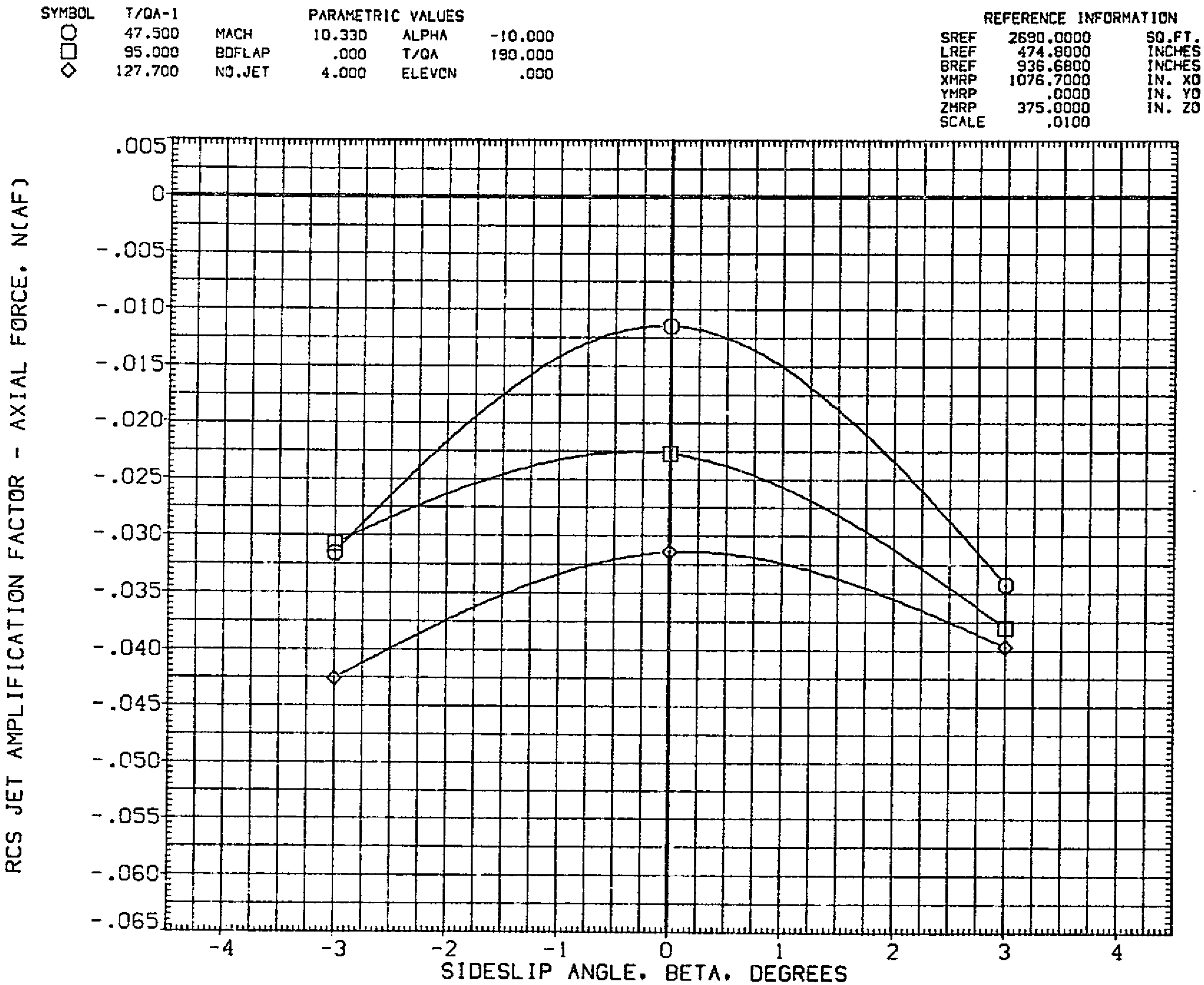

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

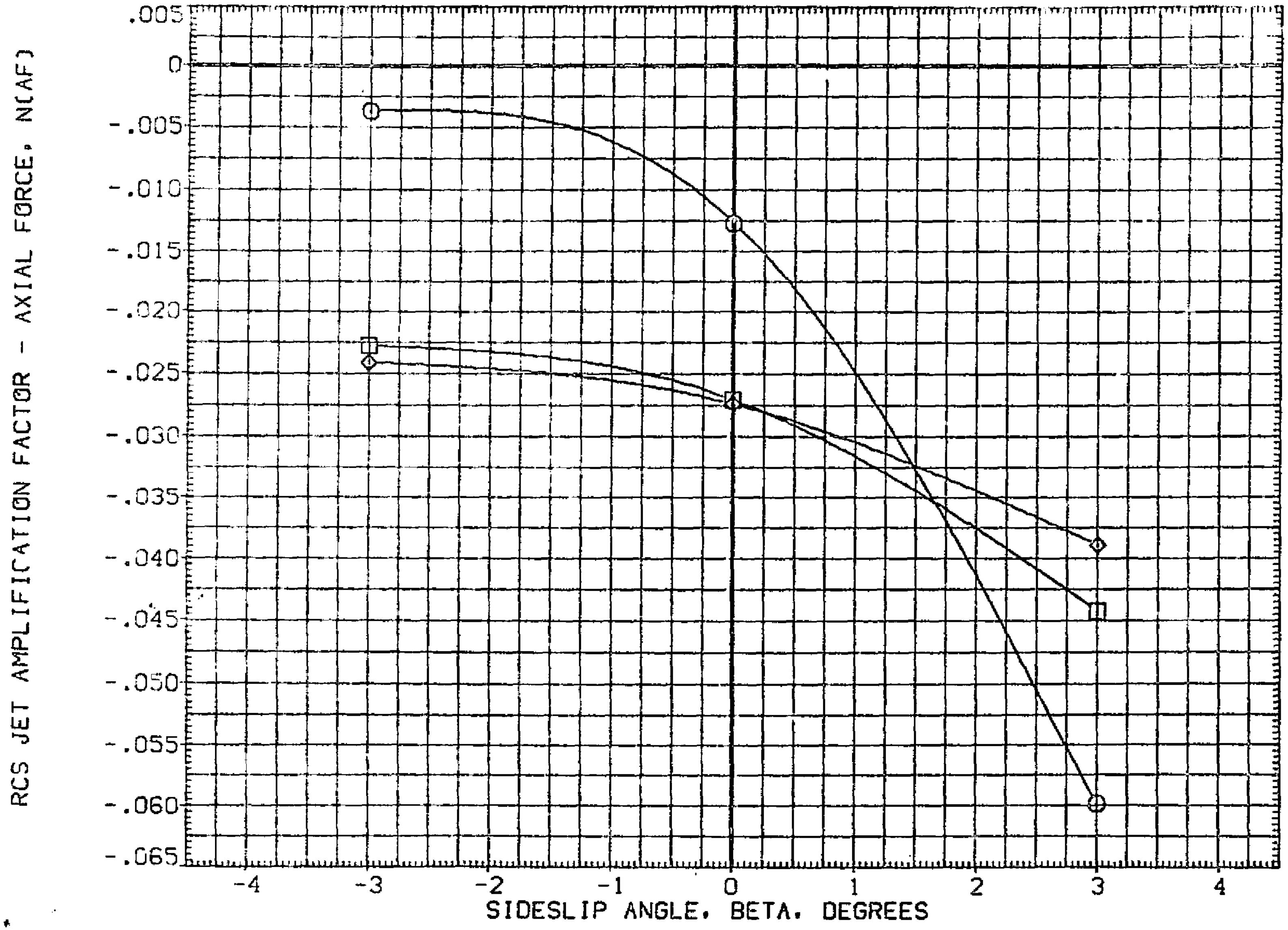

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/QA-1
○	47.500
□	95.000
◇	127.700

PARAMETRIC VALUES

MACH	10.330	ALPHA	10.000
BDFLAP	.000	T/QA	190.000
NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

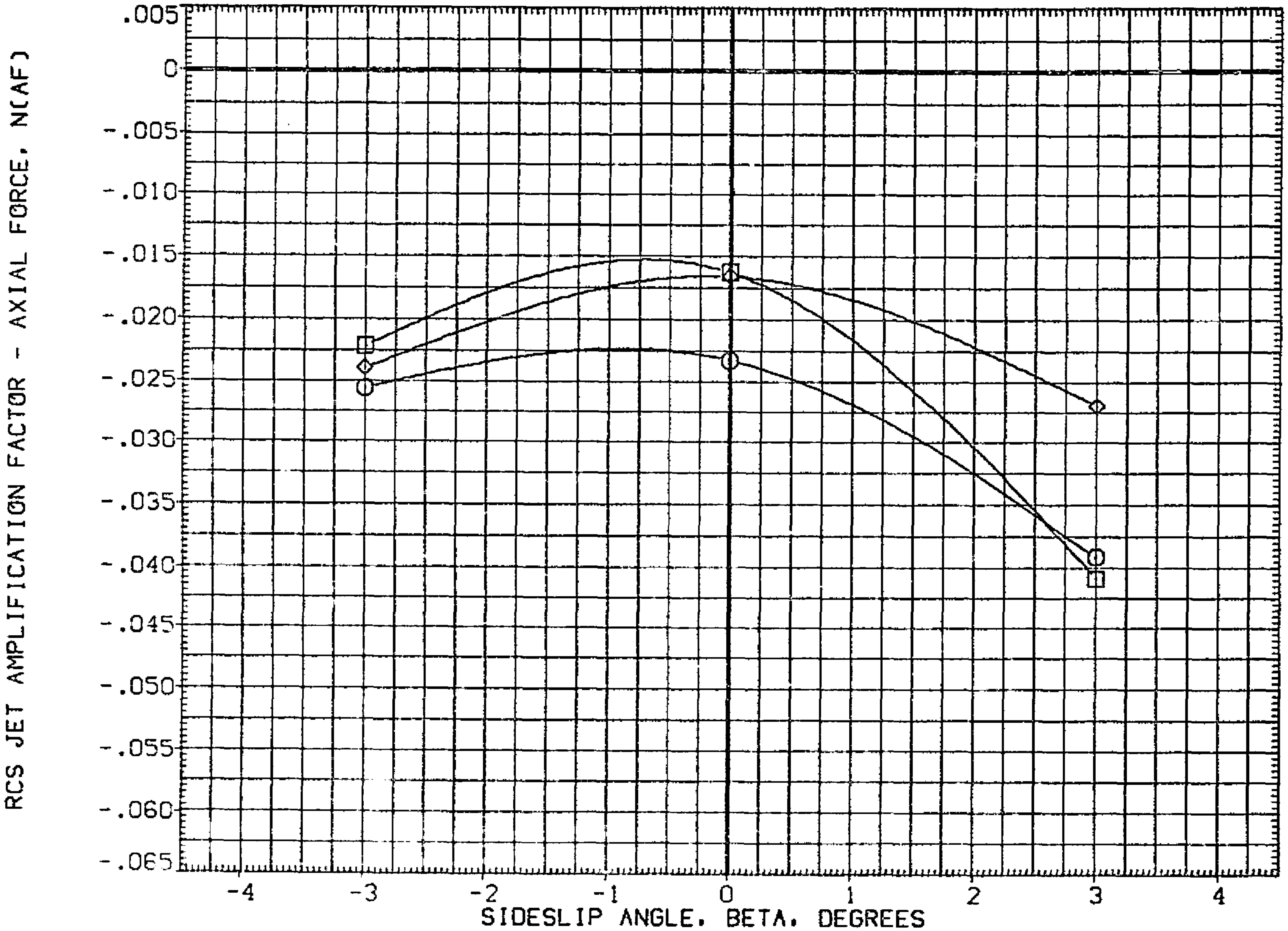

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

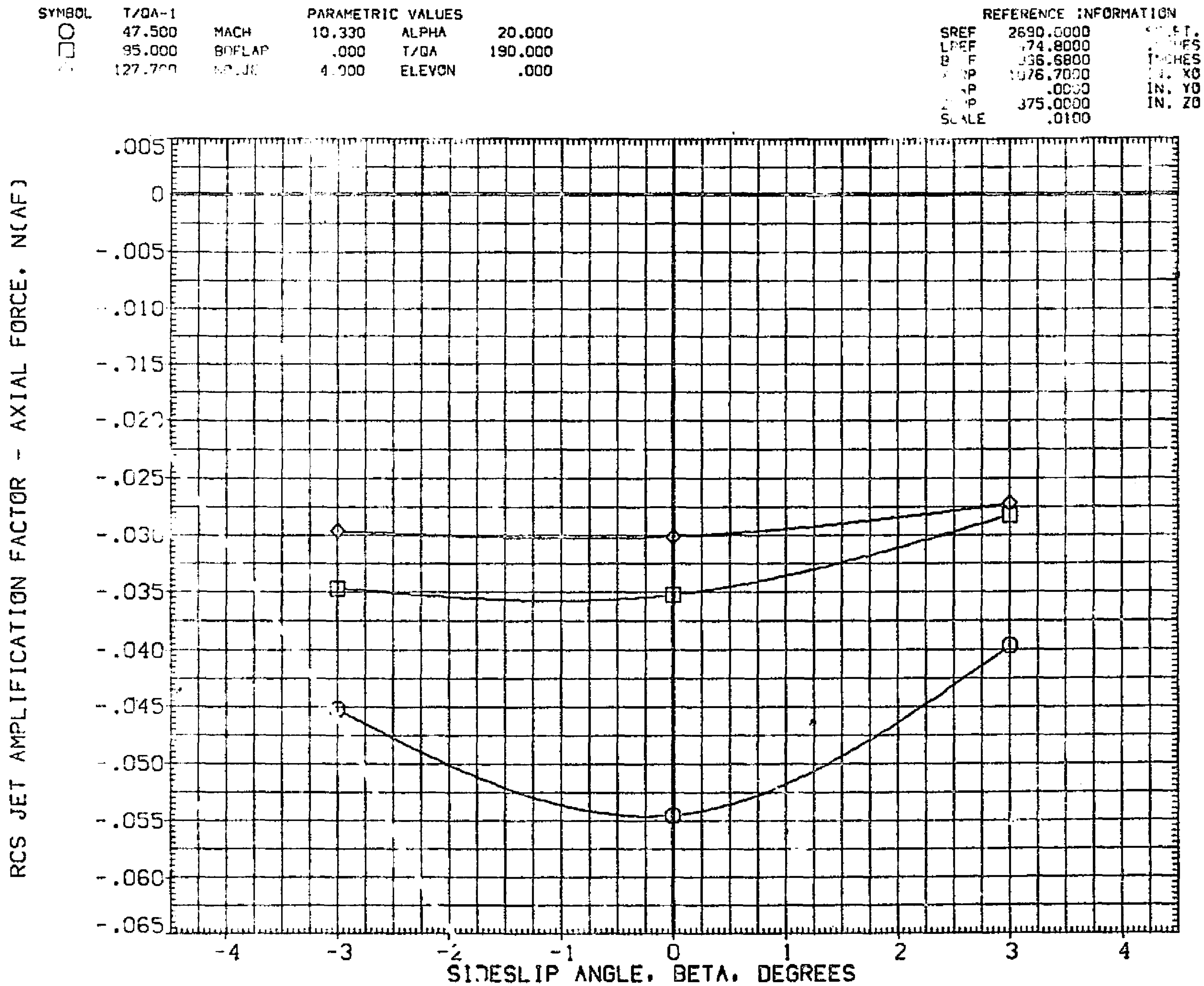

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

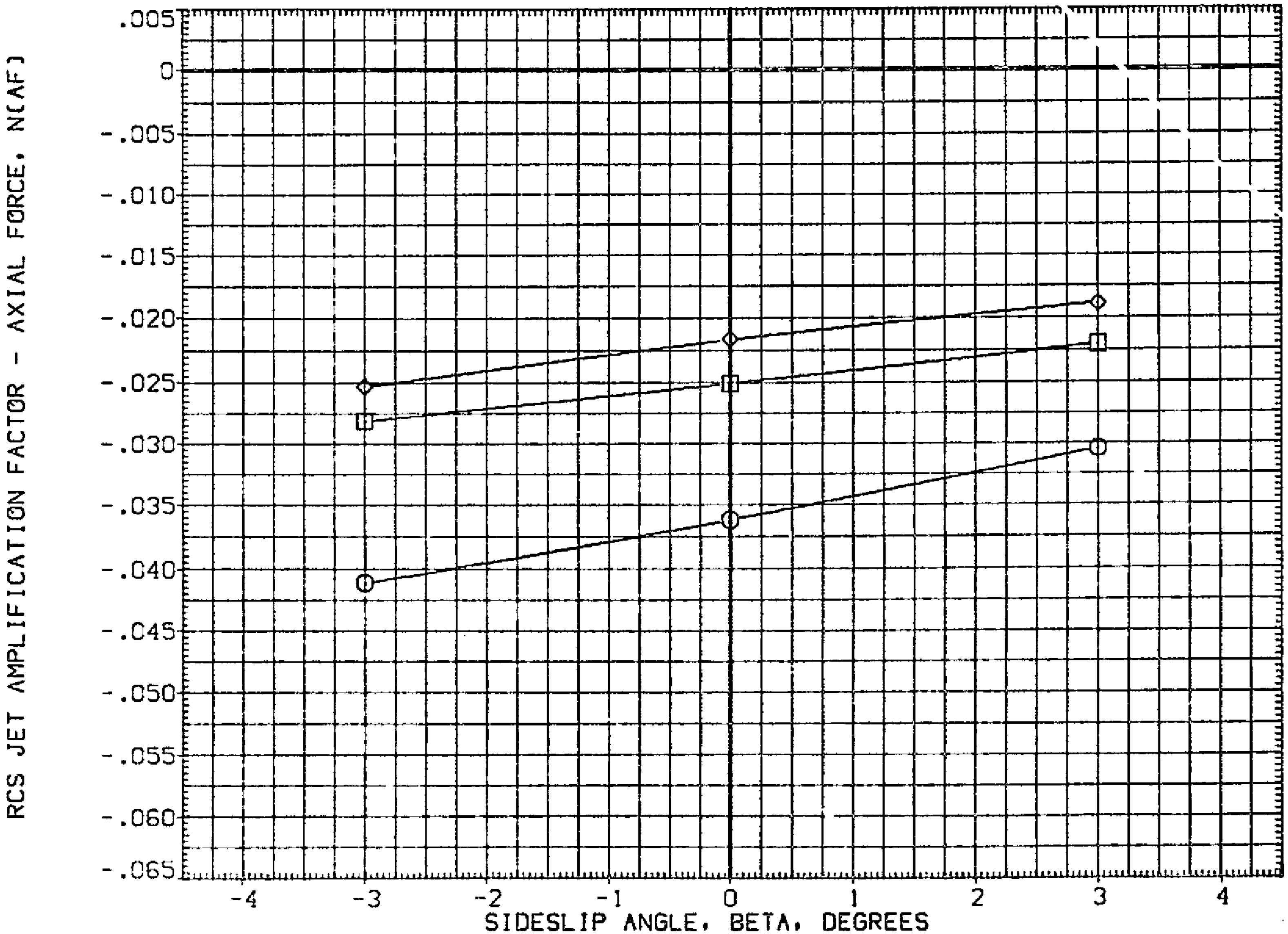

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

0IN51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/OA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/OA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

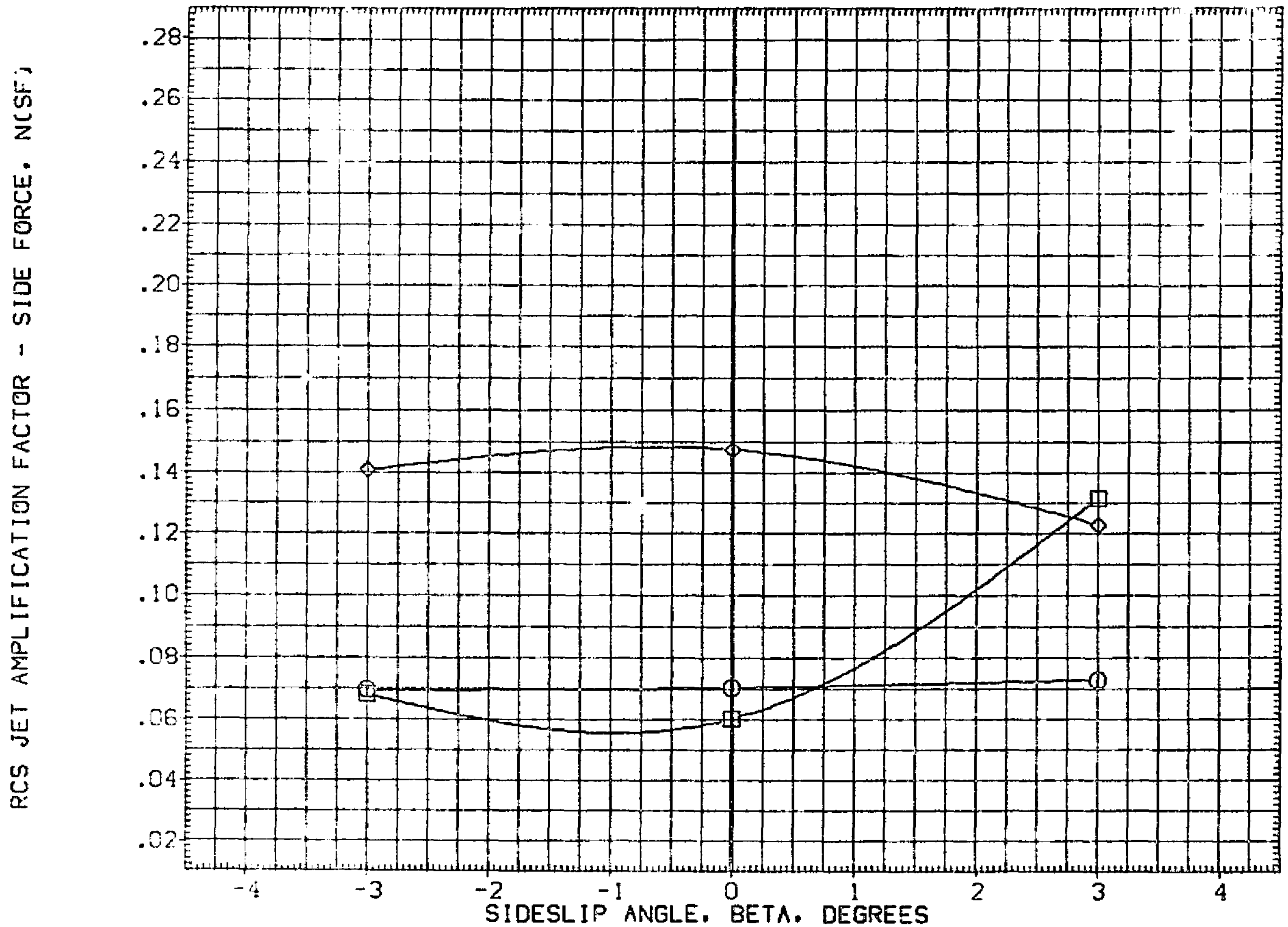

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

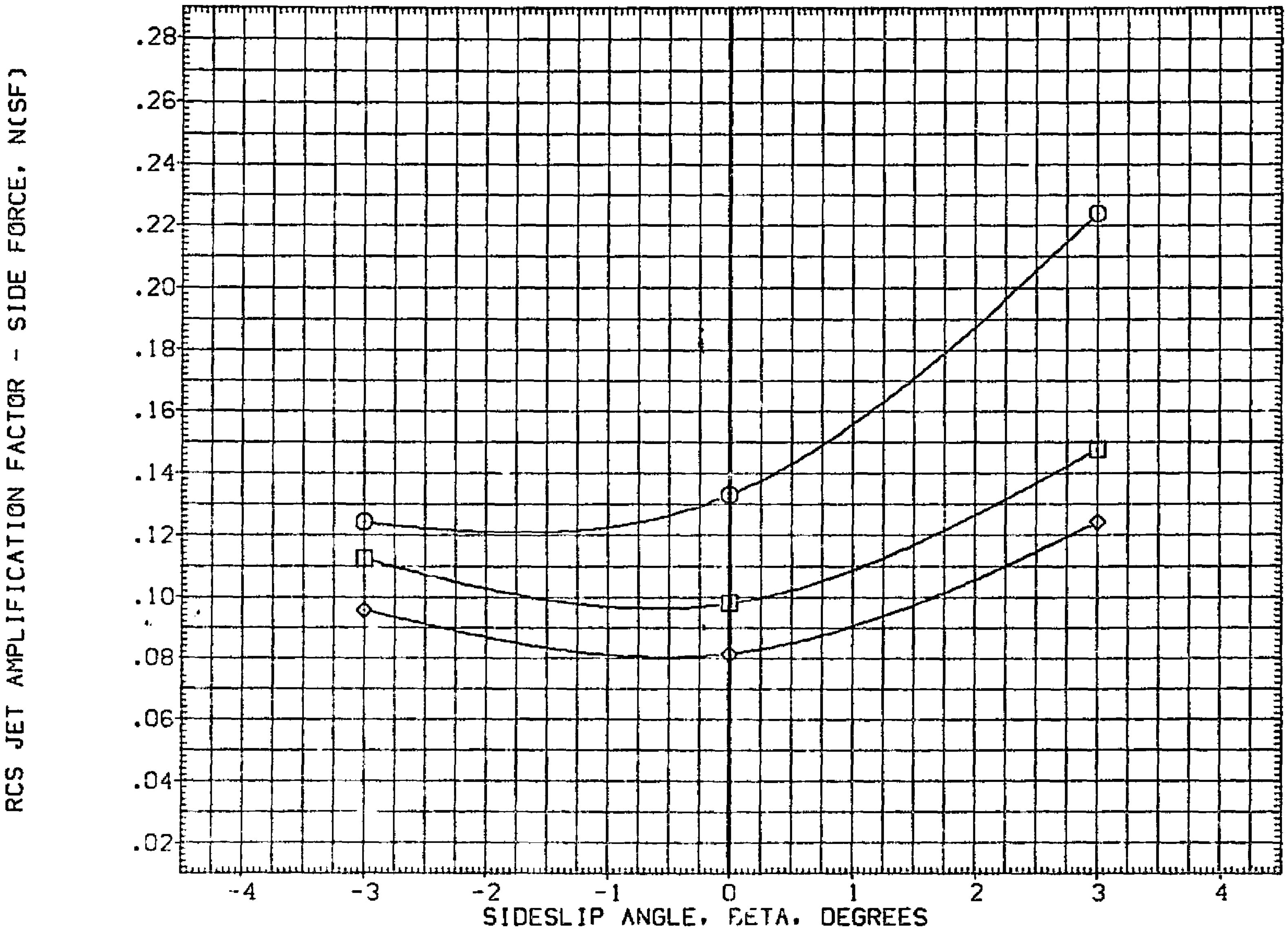

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

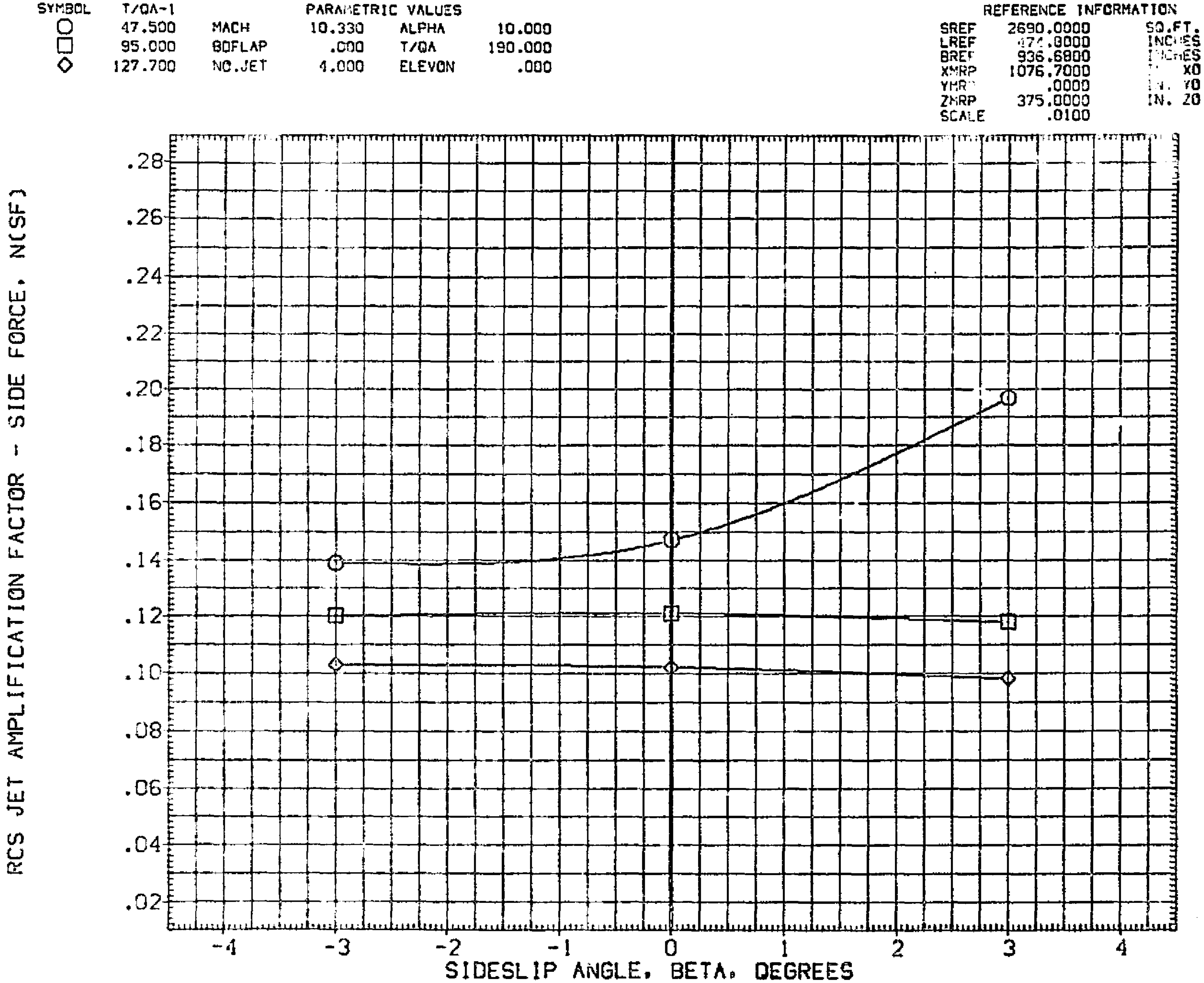

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N51 LARC CFHT 118 (MA-22) (CJA128)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

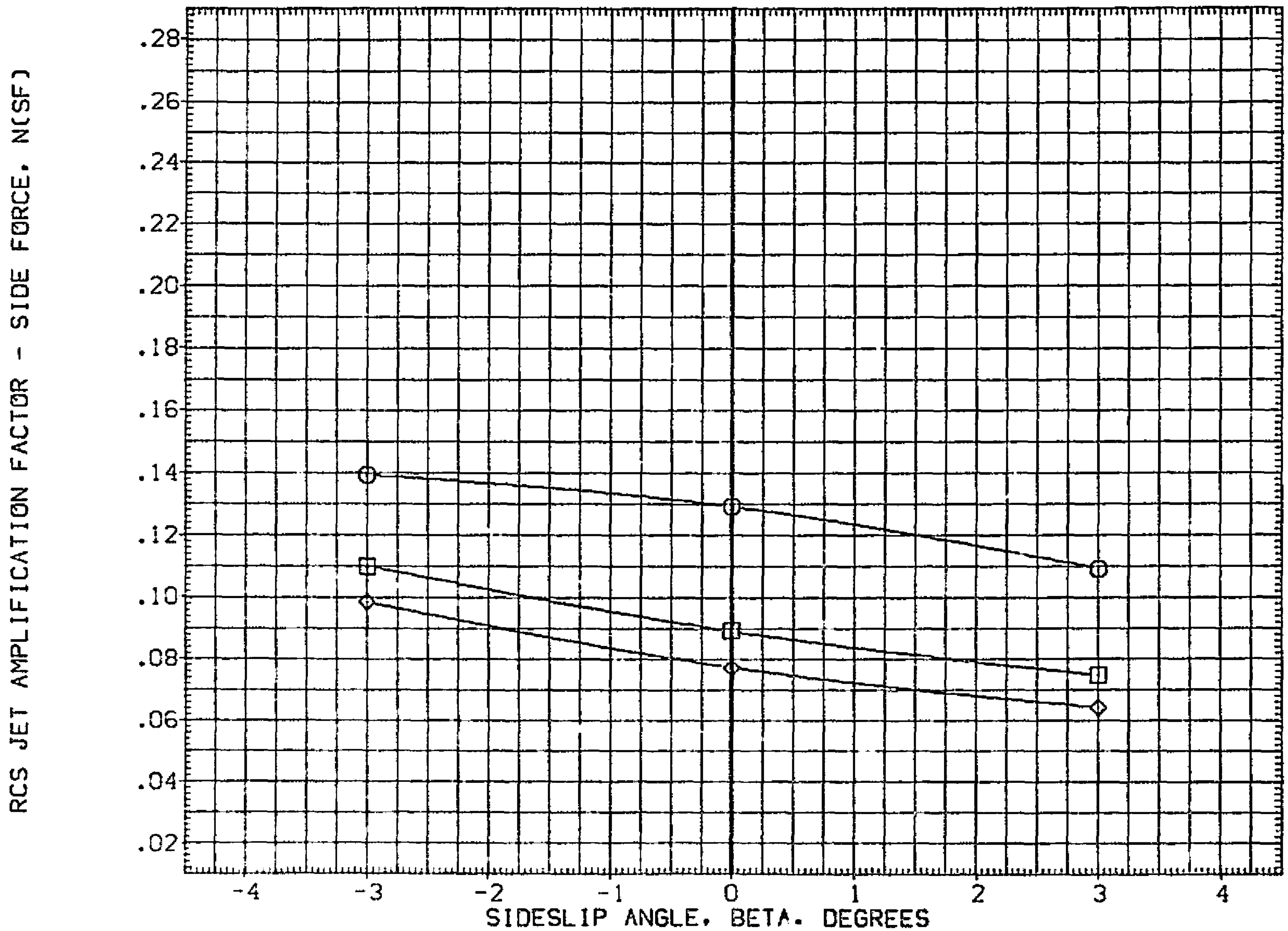

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	190.000
◇	127.700	NO.JET	4.000	ELEVON	.000

REFERENCE INFORMATION

SREF	26?0.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

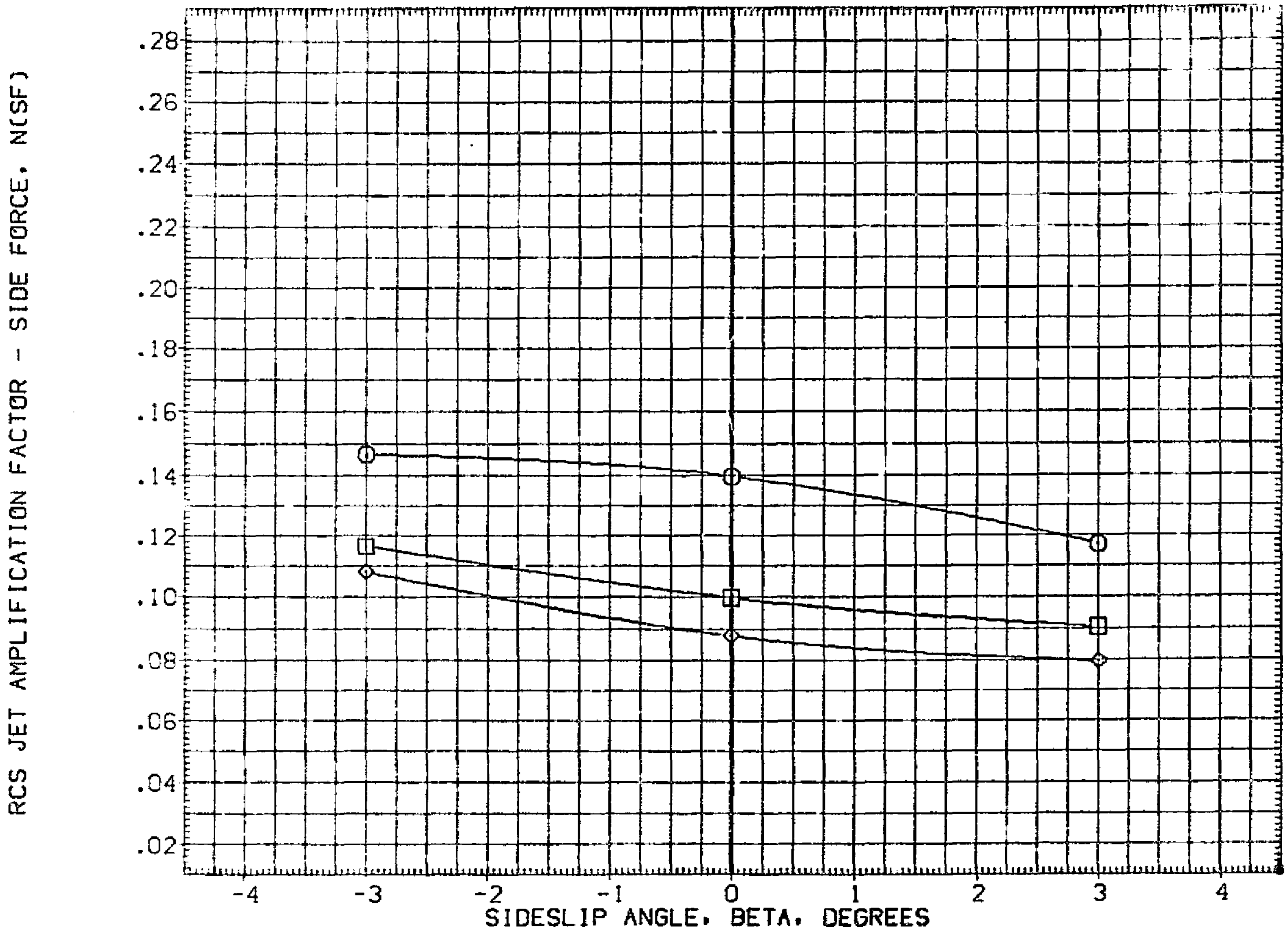

FIGURE 88. AMPLIFICATION FACTOR IN YAW, N51 JETS

01N85 LARC CFHT 118 (MA-22) (CJA119)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

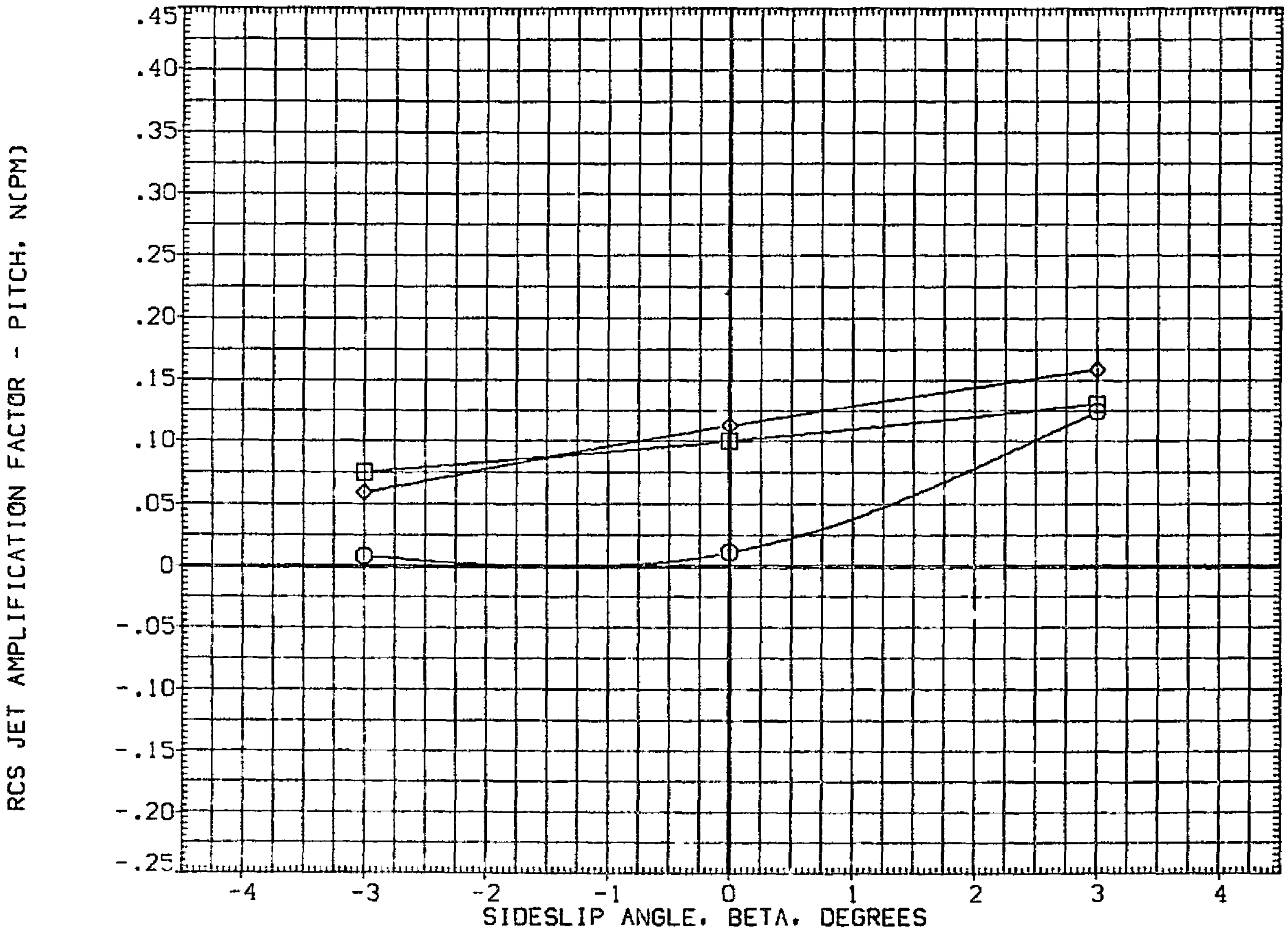

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

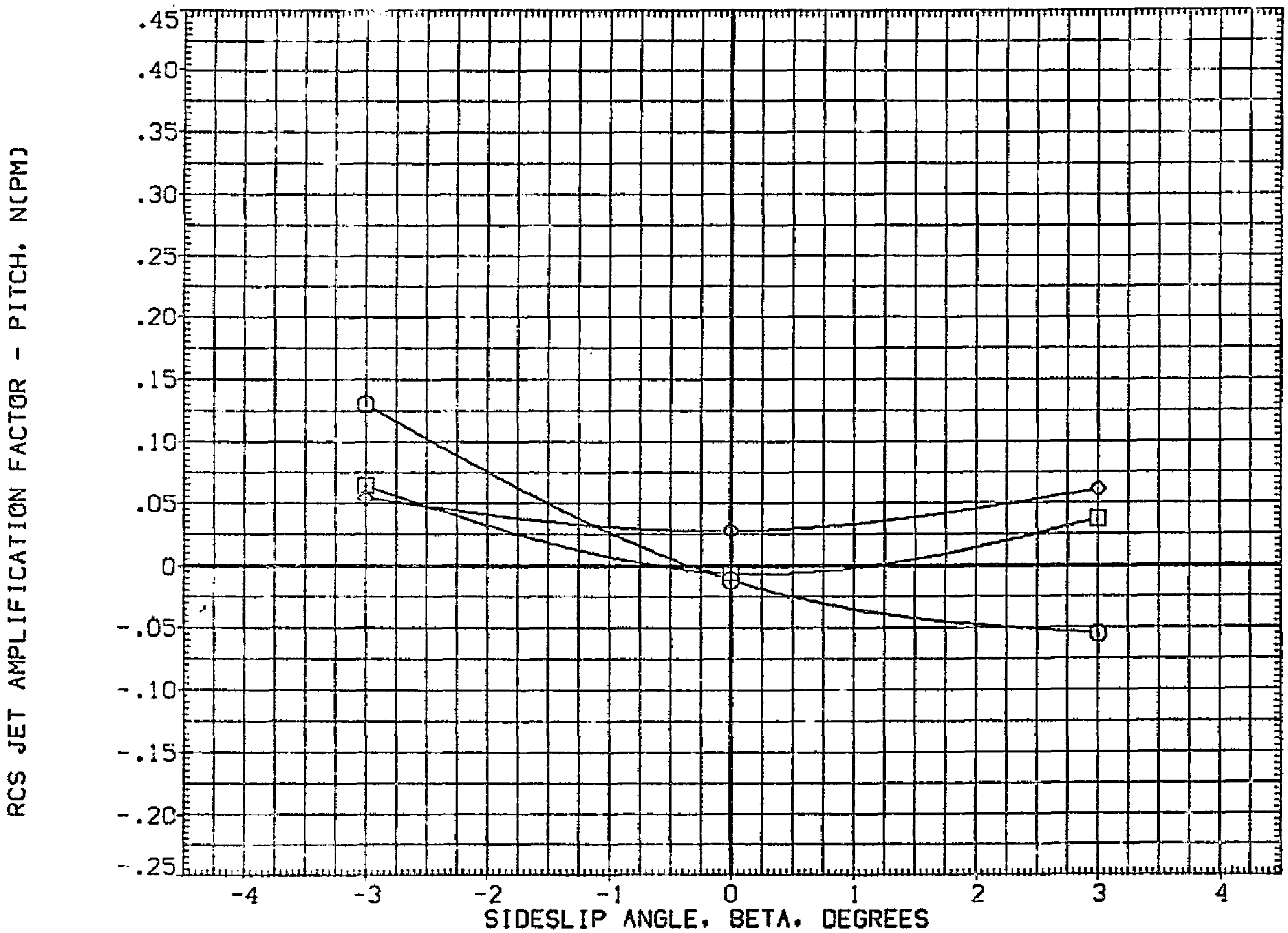

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N85 LARC CFHT 118 (MA-22) (CJA119)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

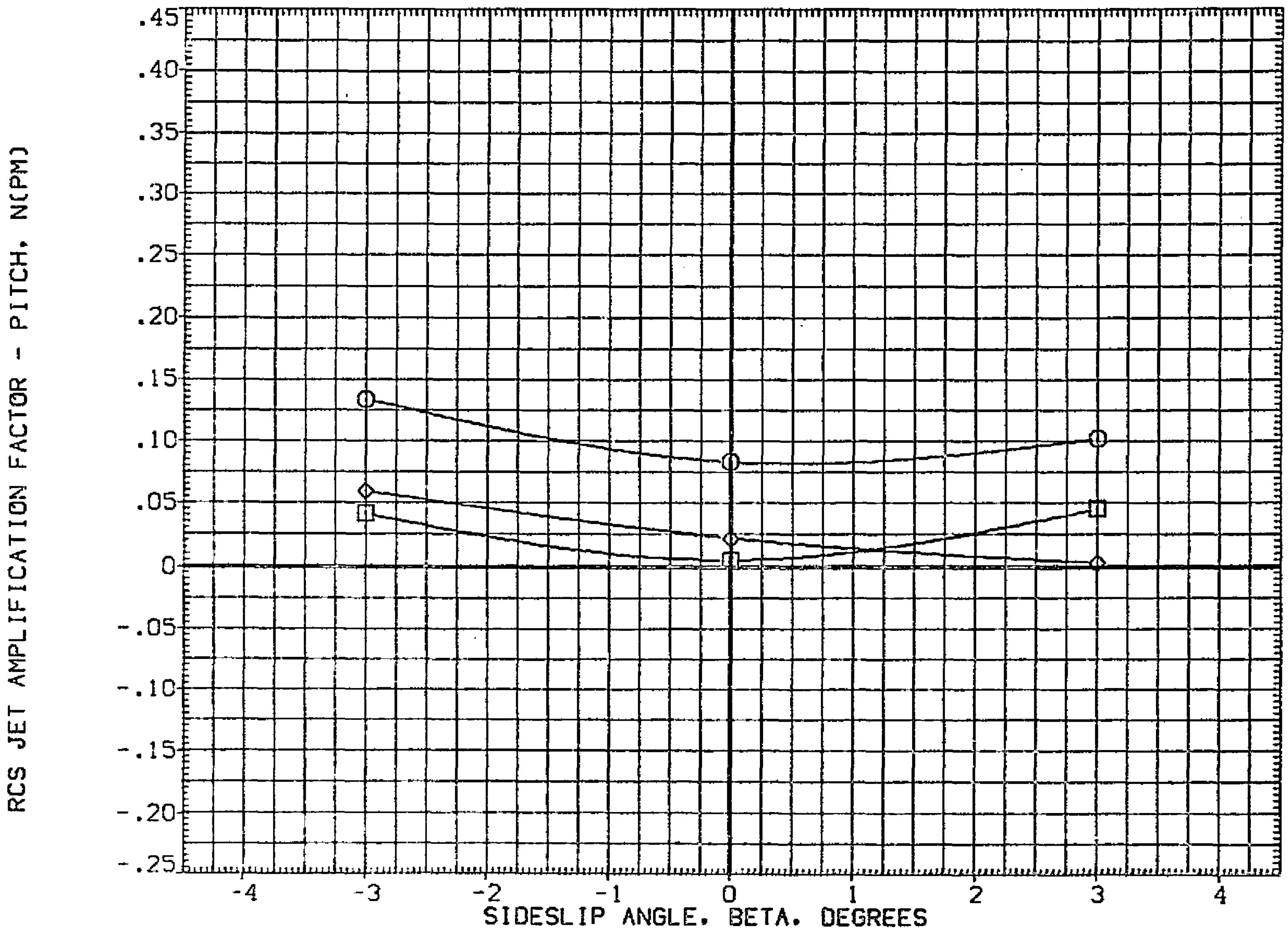

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN.
YMRP	.0000	IN.
ZMRP	375.0000	IN.
SCALE	.0100	

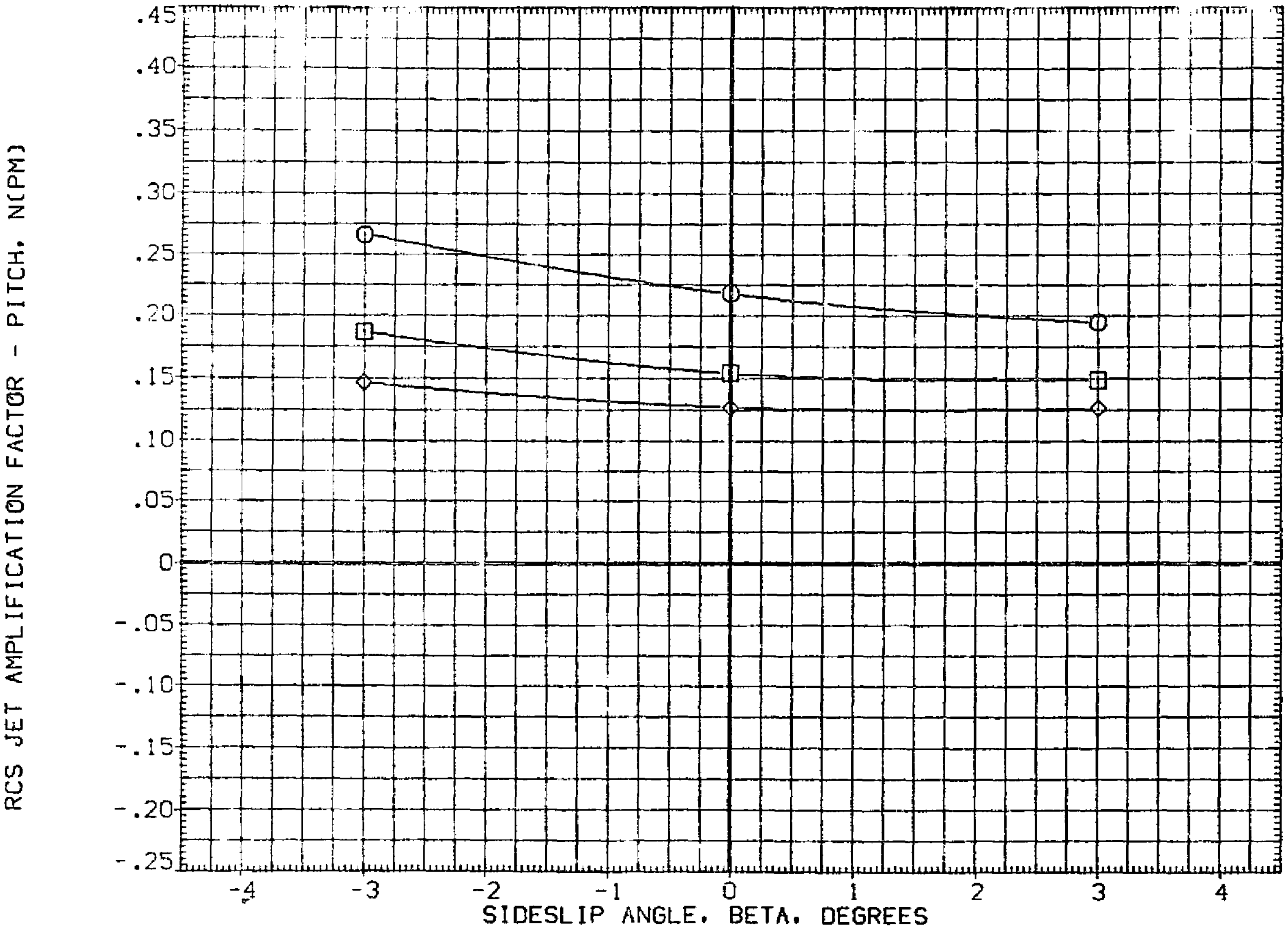

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

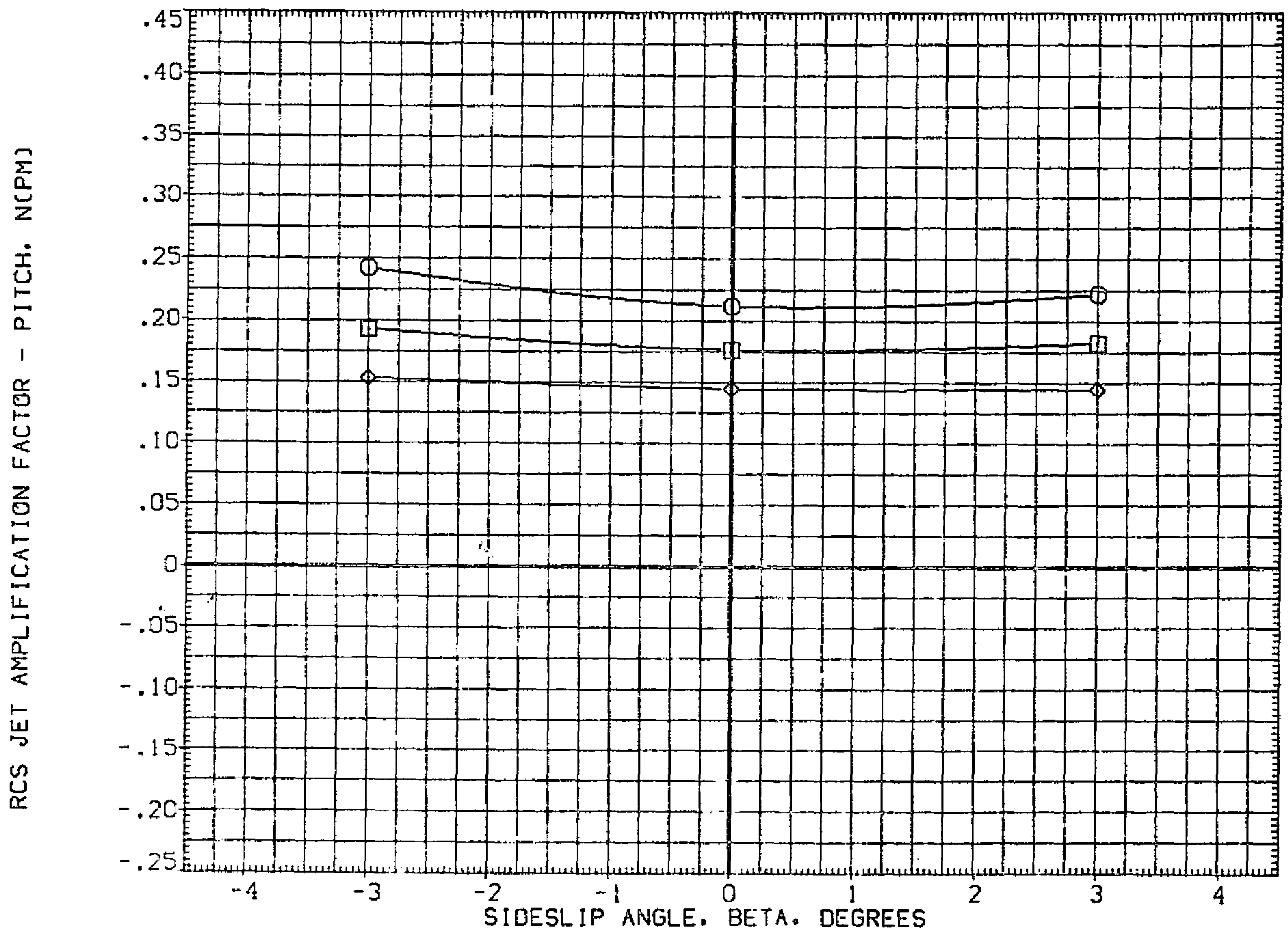

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

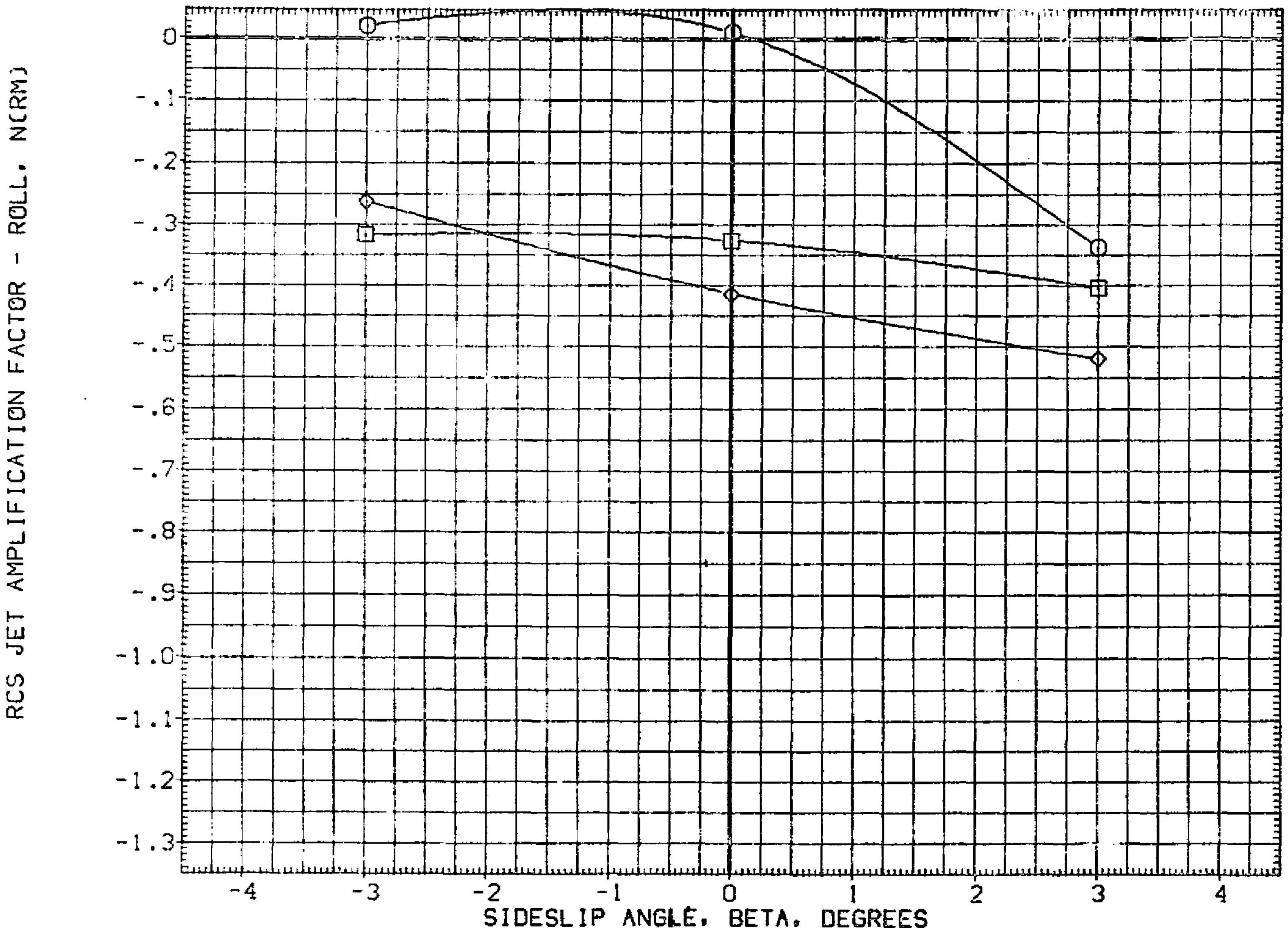

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

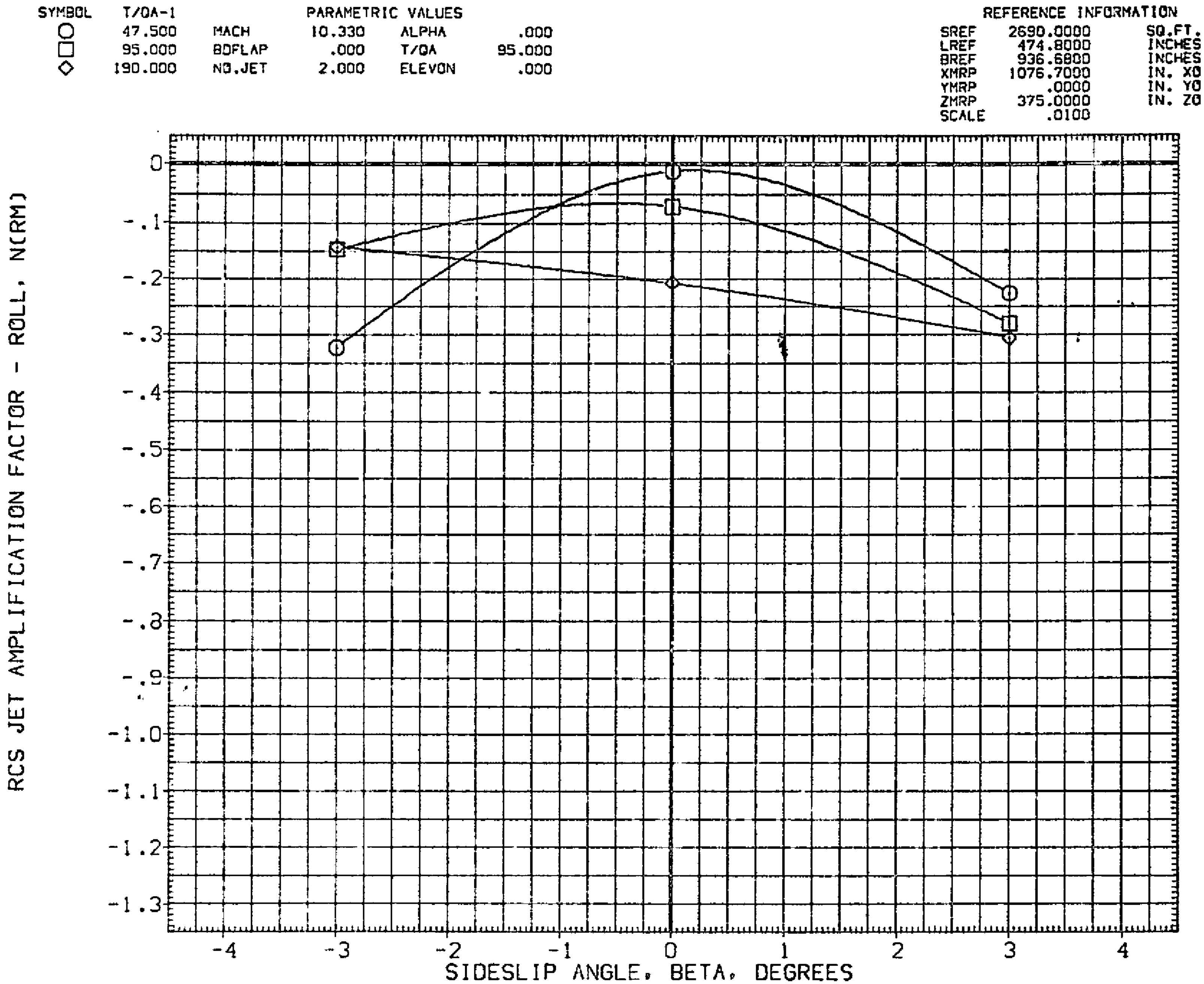

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N85 LARC CFHT 118 (MA-22) (CJA115)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

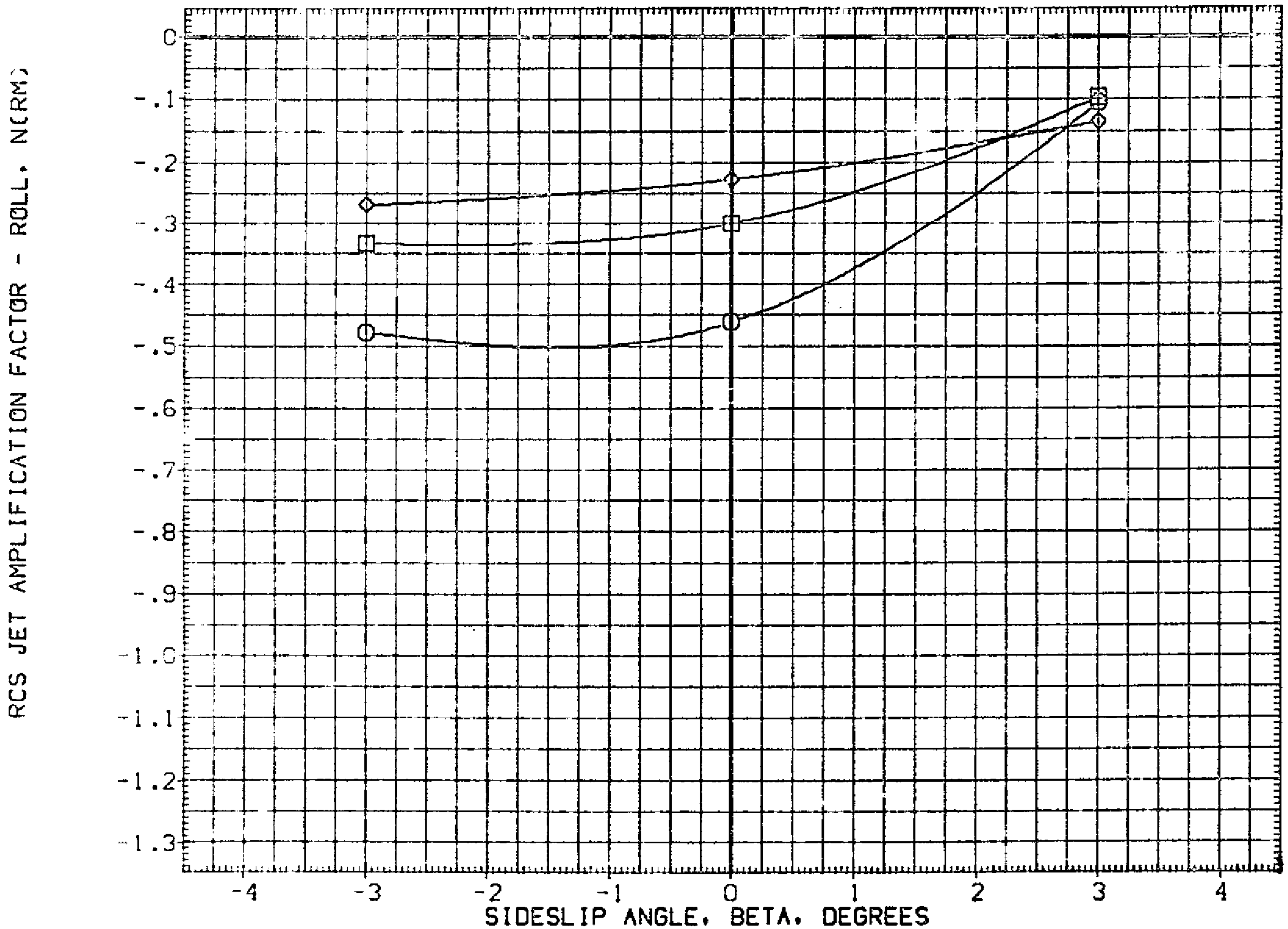

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N85 LARC CFHT 118 (MA-22) (CJA119)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

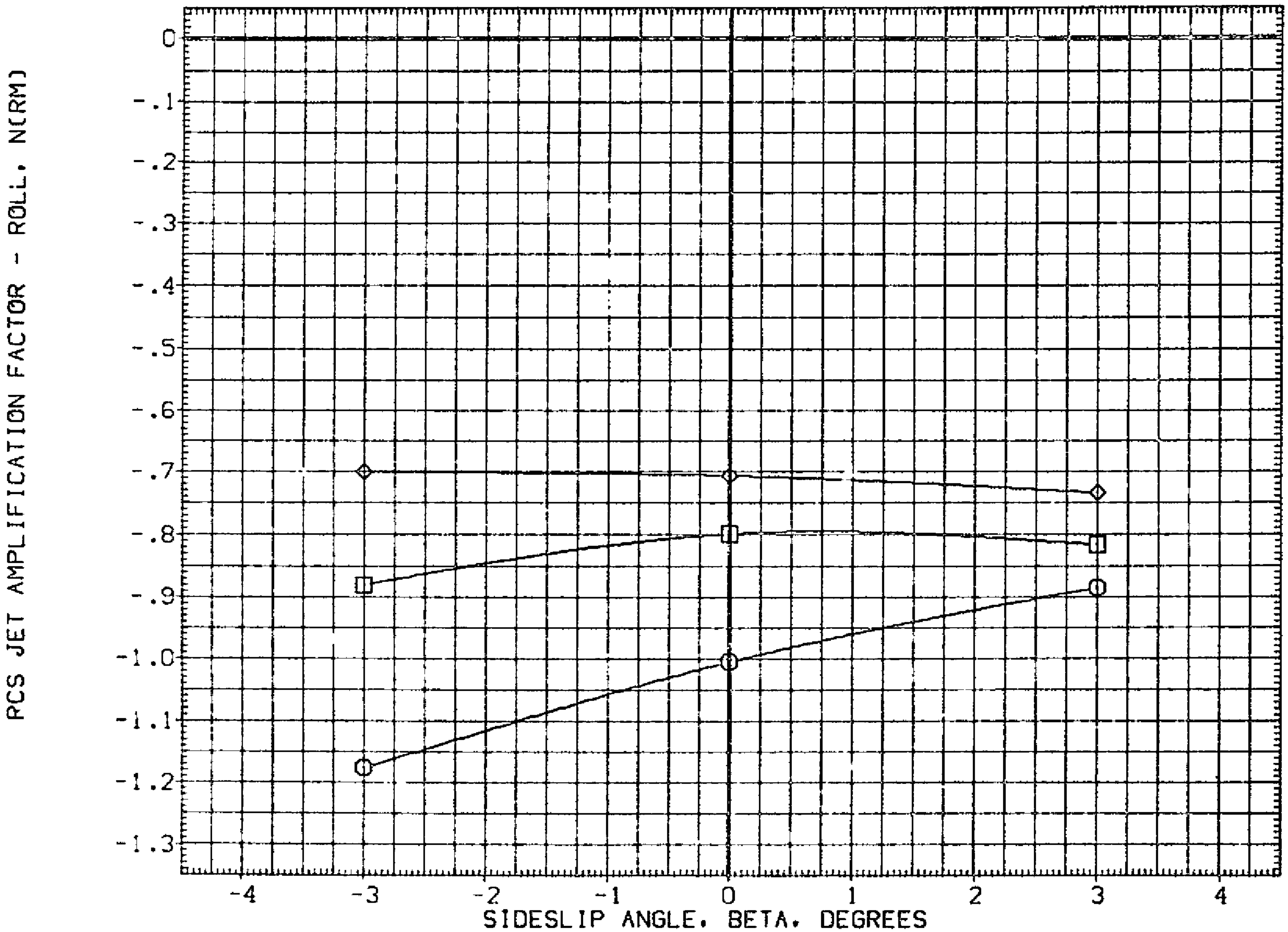

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

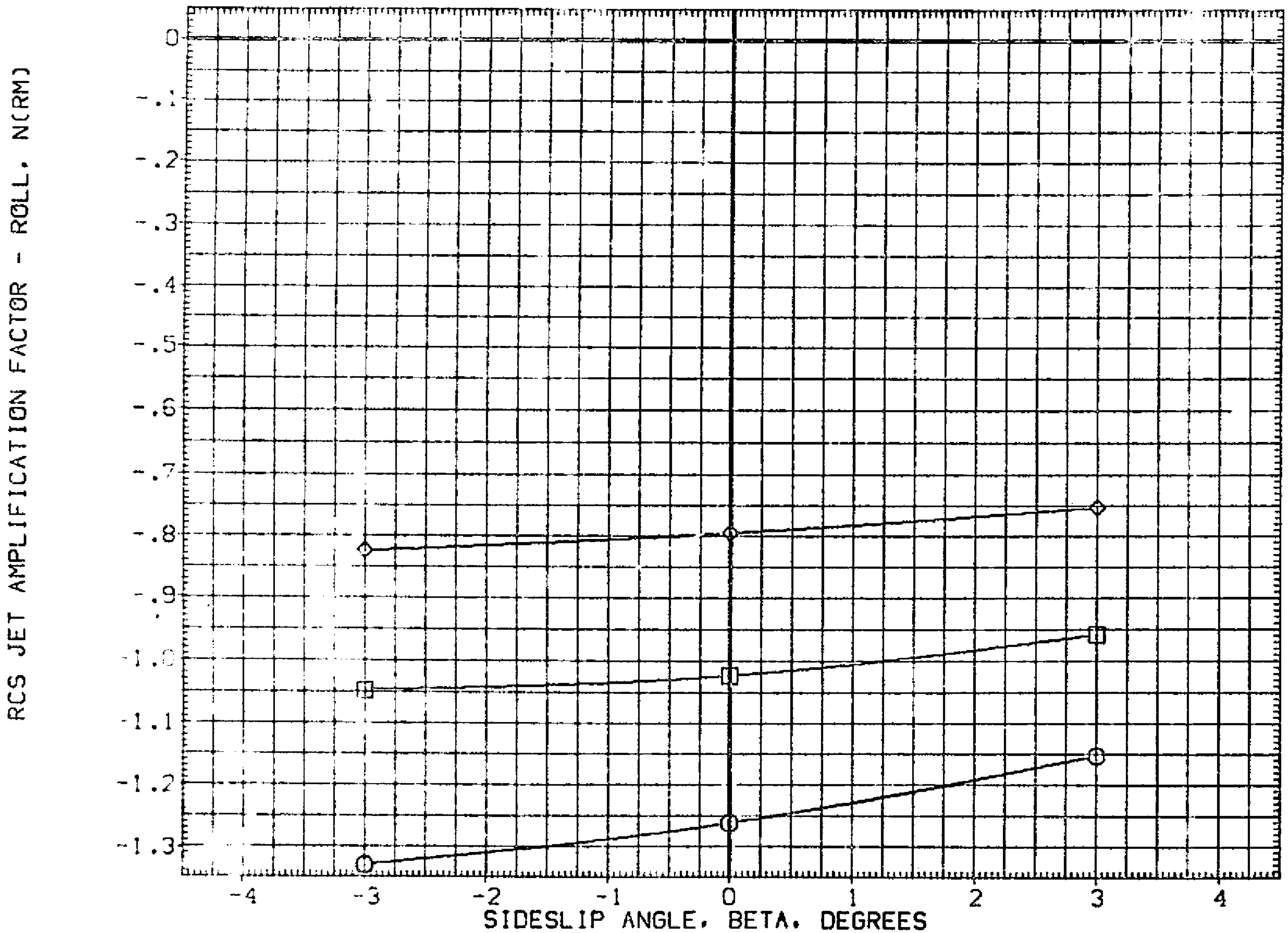

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

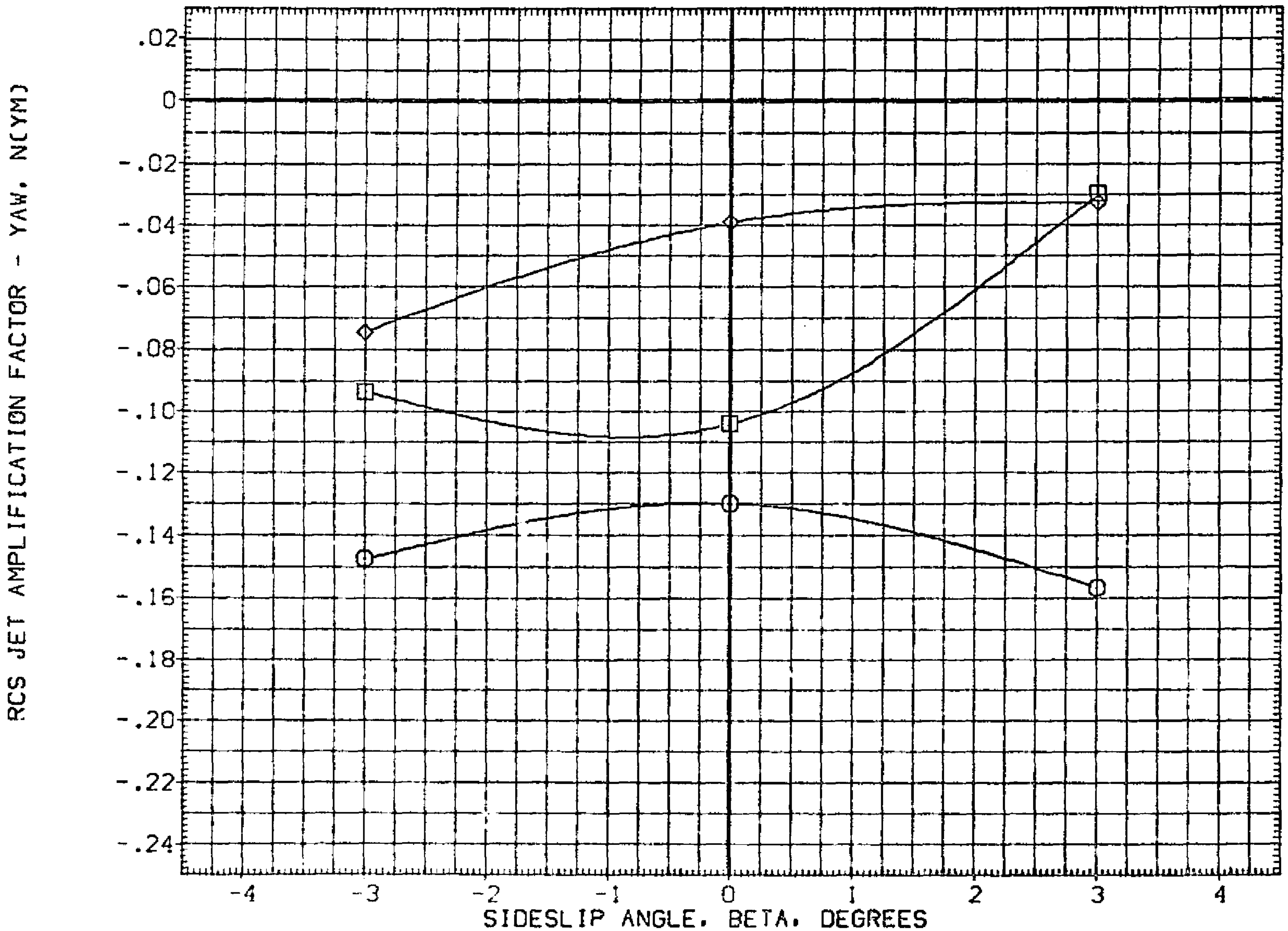

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1
○	47.500
□	95.000
◇	190.000

PARAMETRIC VALUES

MACH	10.330	ALPHA	.000
BDFLAP	.000	T/QA	95.000
NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

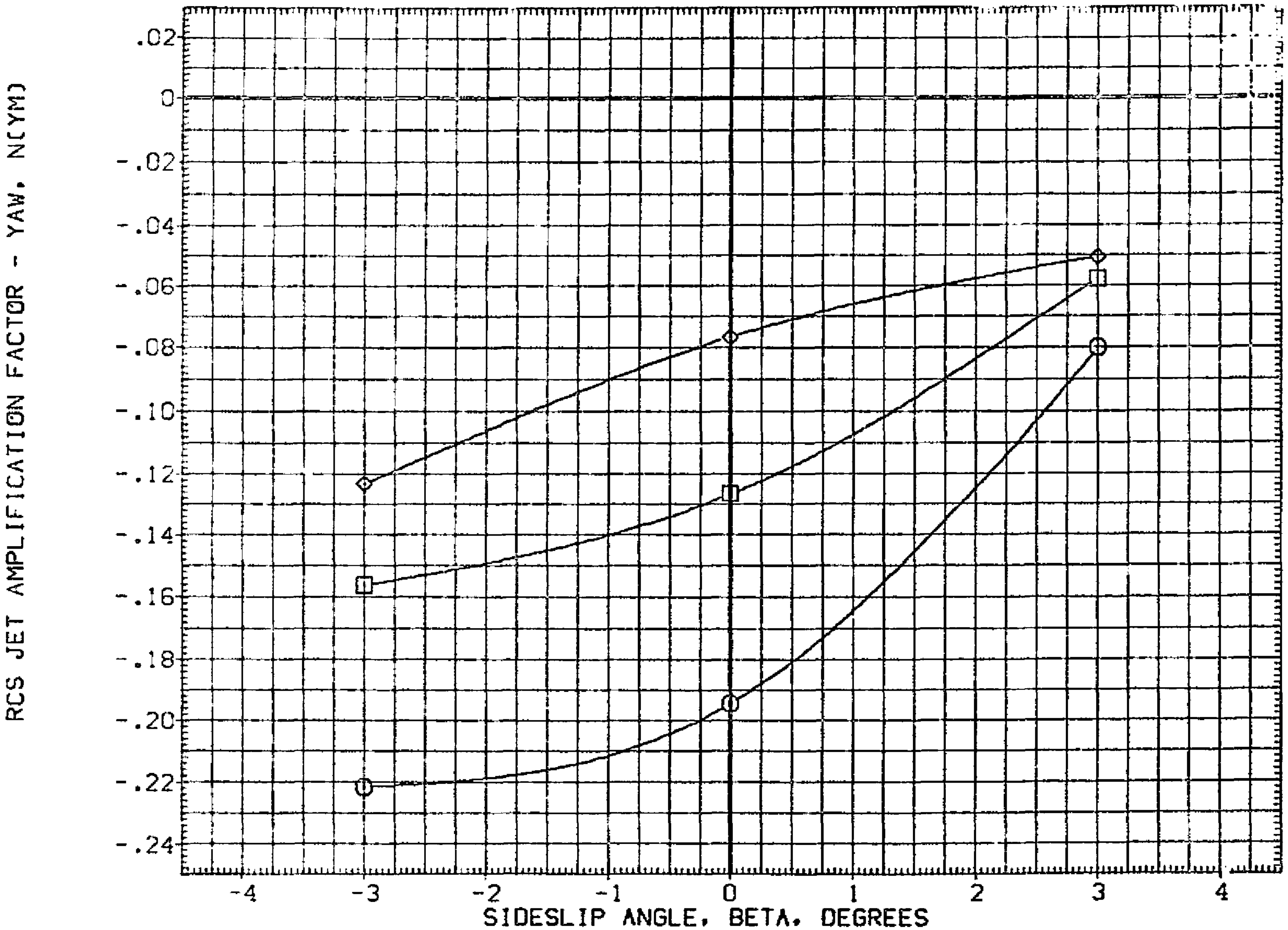

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

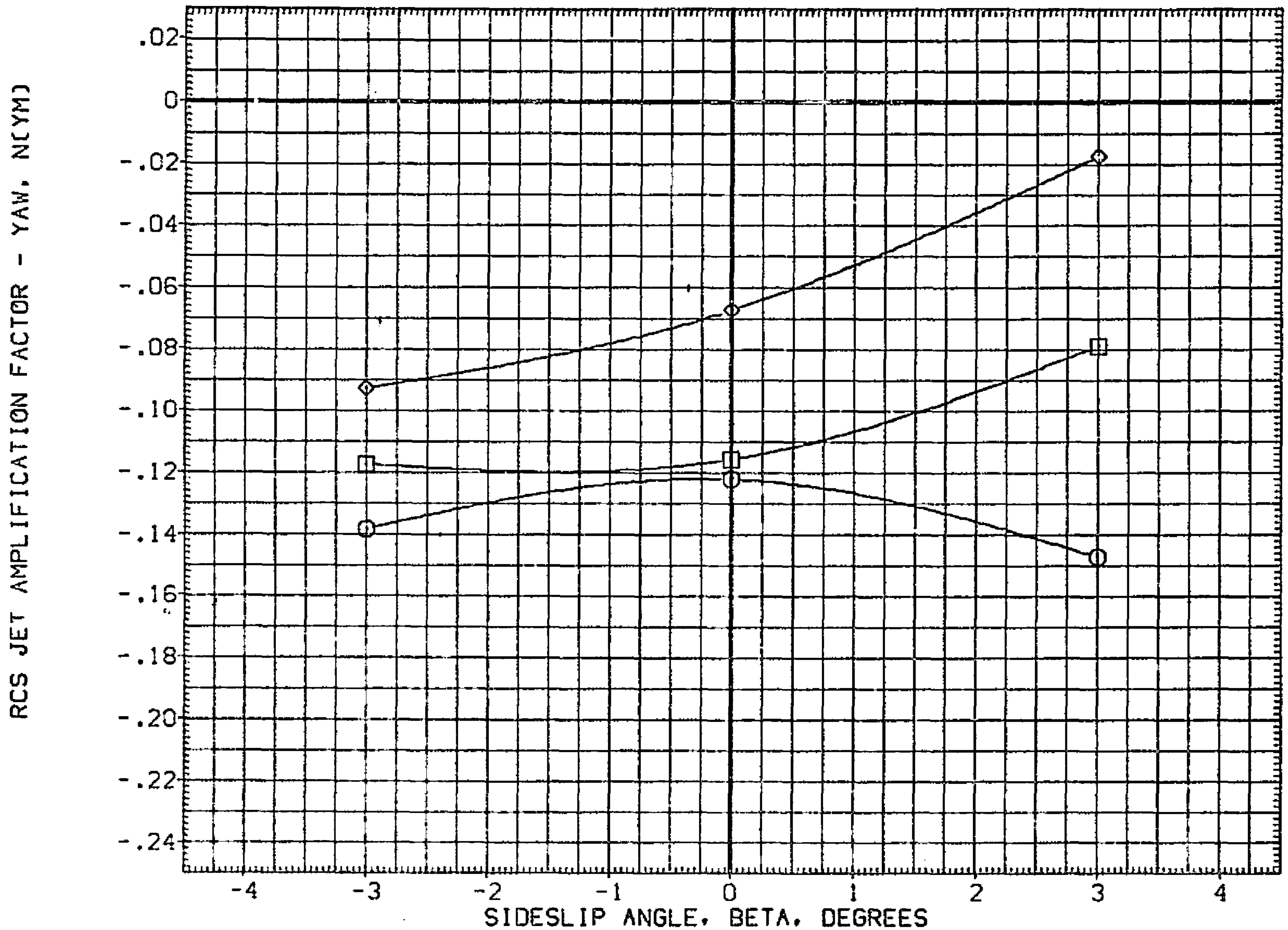

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N85 LARC CFHT 118 [MA-22] [CJA119]

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.9000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

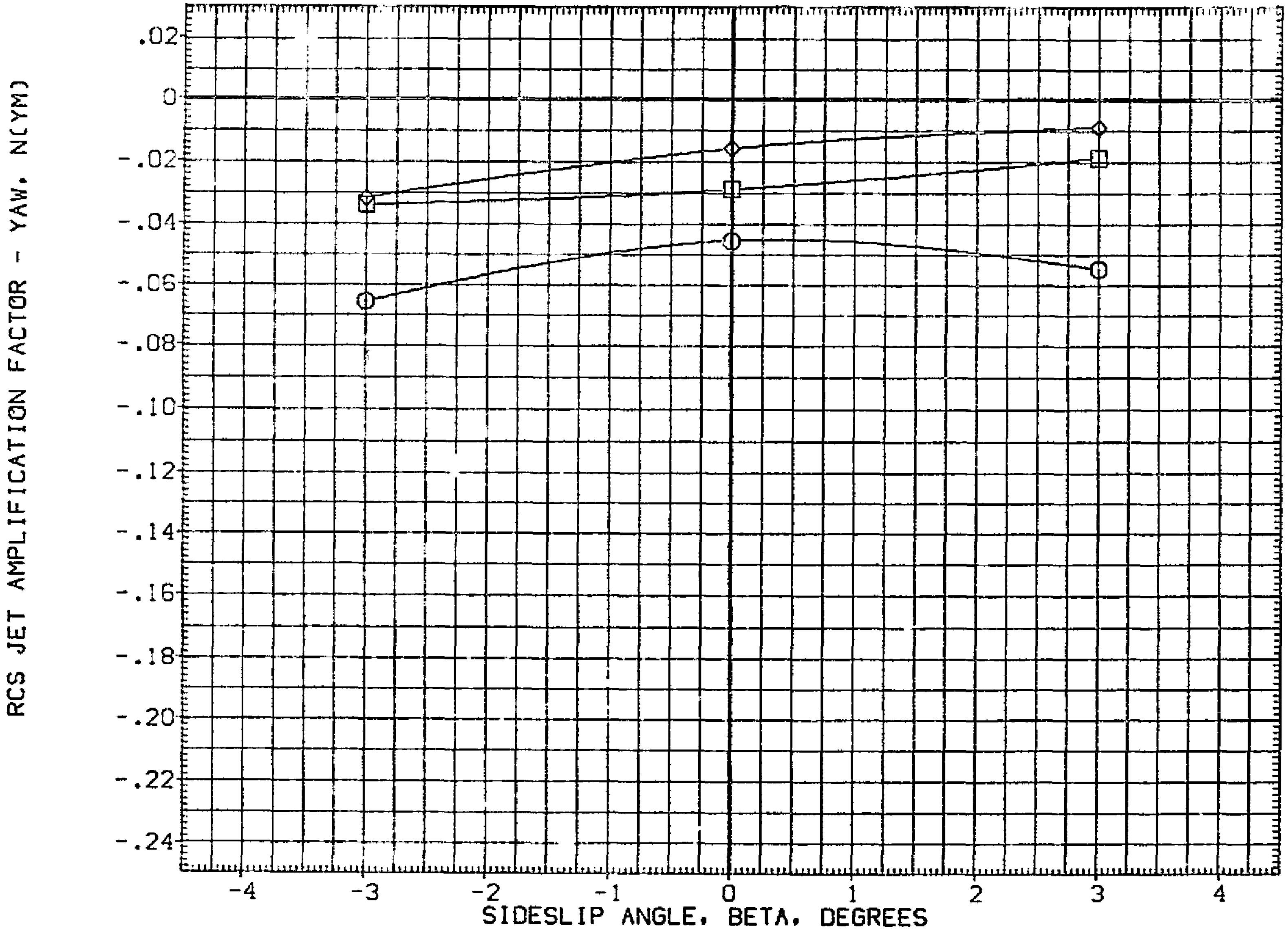

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N85 LARC CFHT 118 (MA-22) (CJA119)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

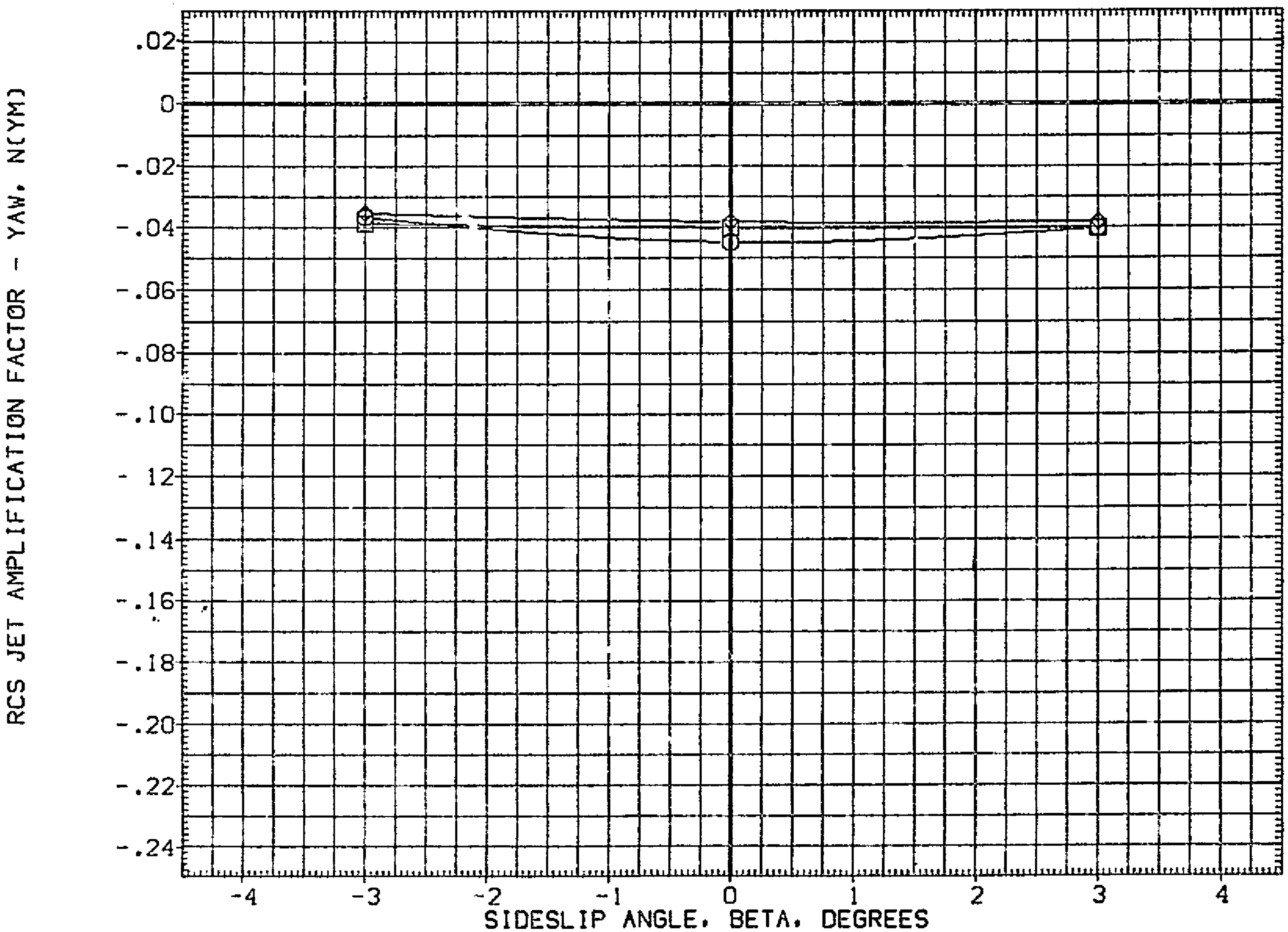

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

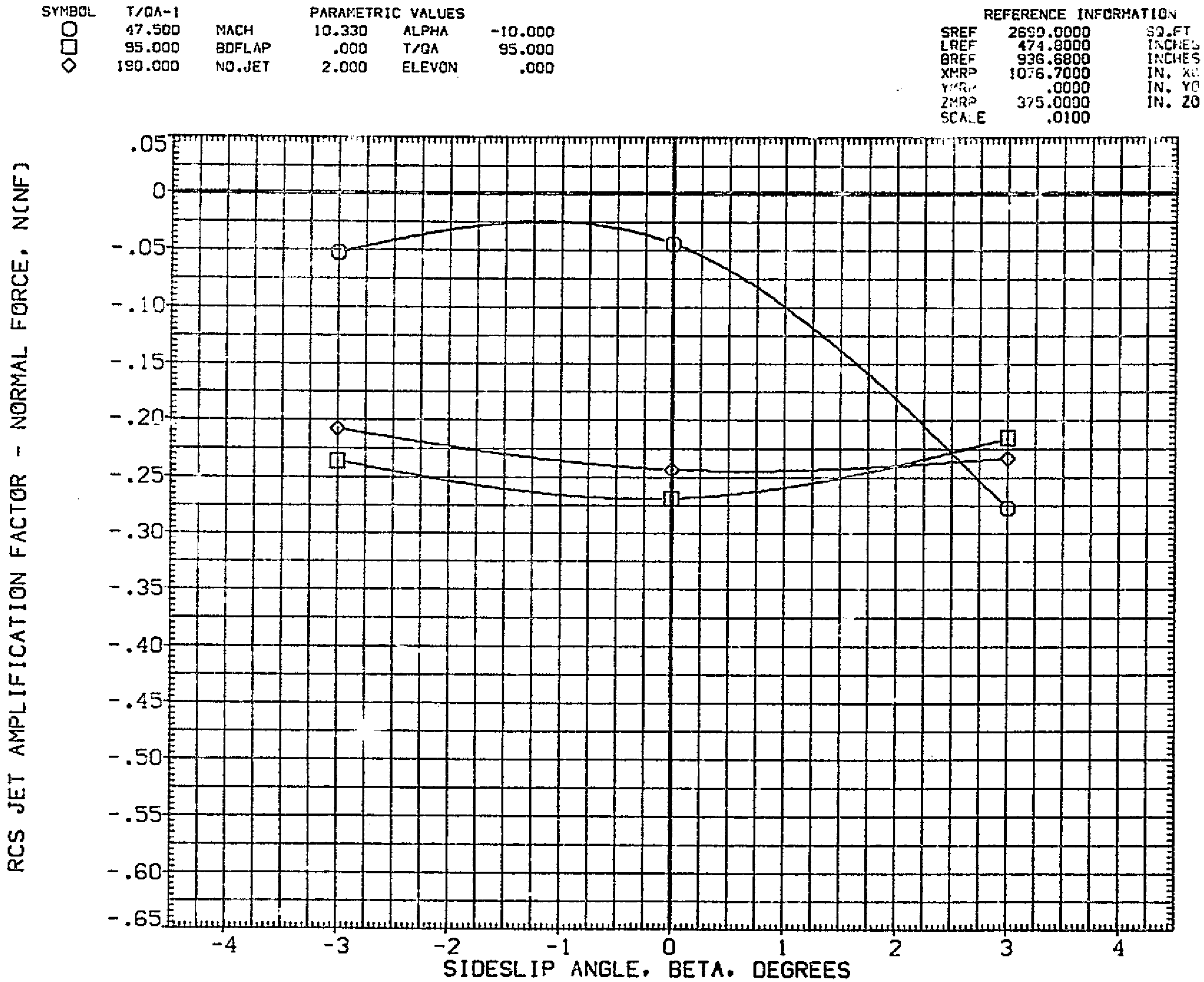

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N85 LARC CFHT 118 (MA-22) (CJA119)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

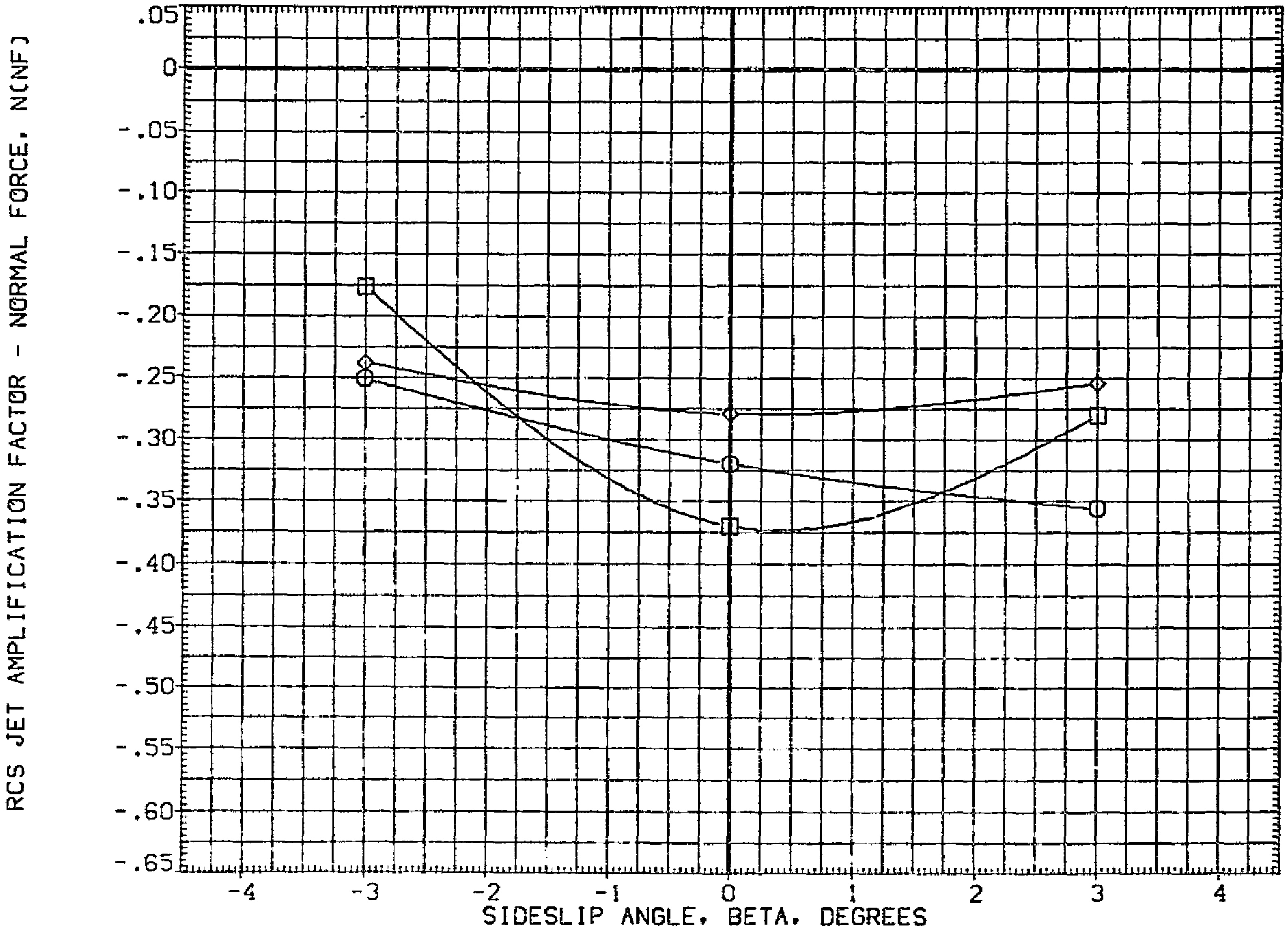

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

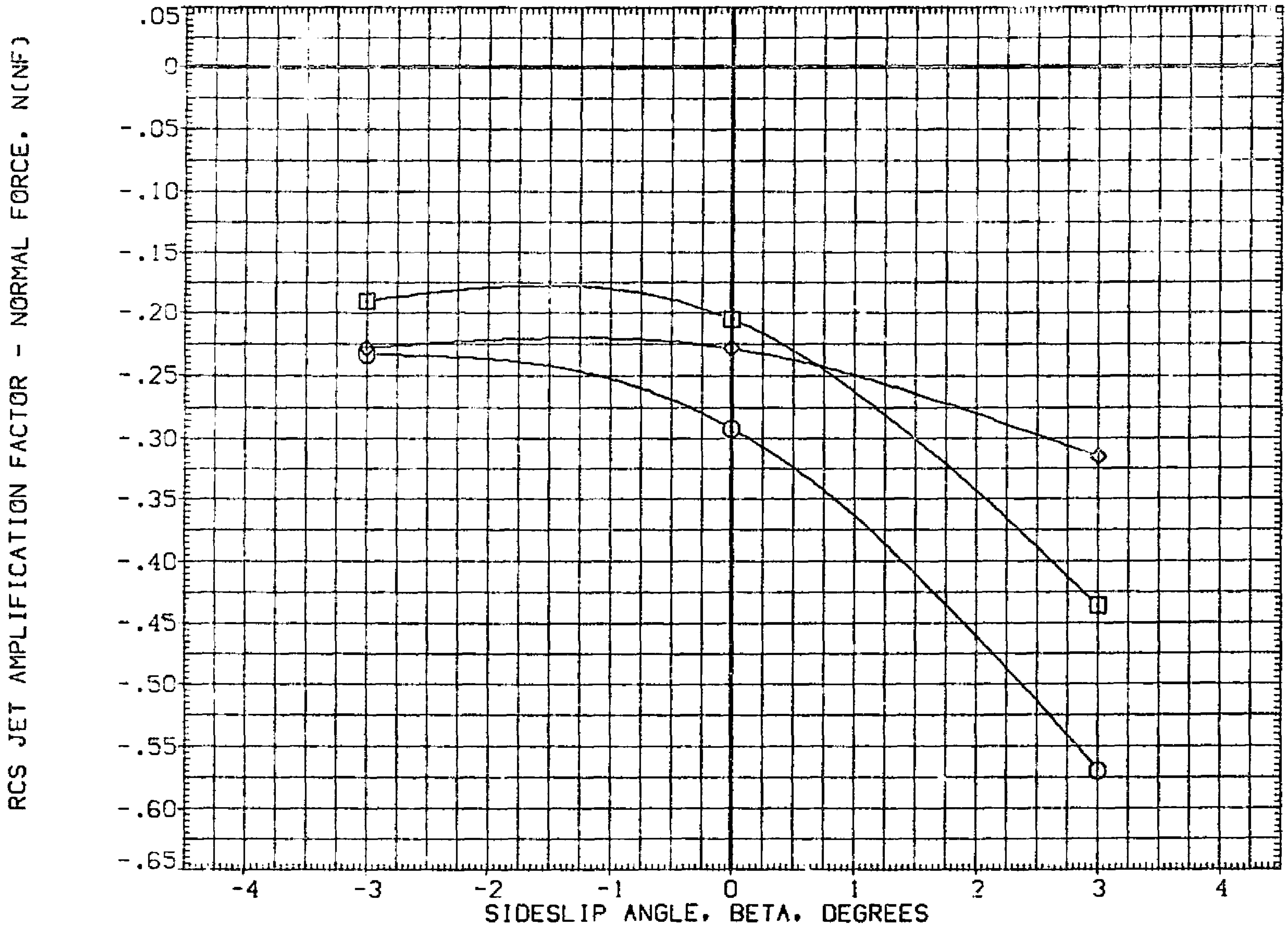

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N85 LARC CFHT 118 (MA-22) (CJA119)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

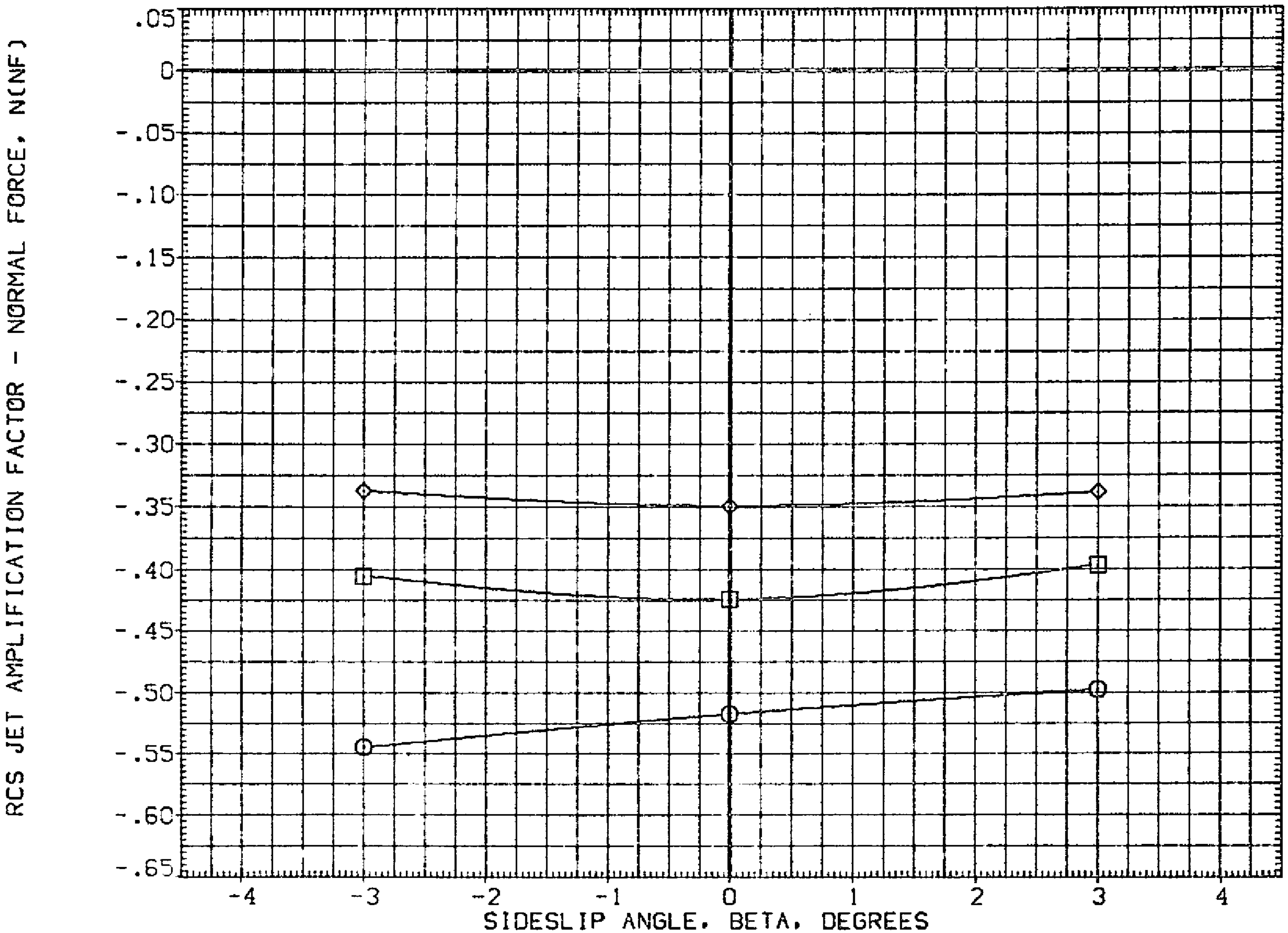

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N05 LARC CFHT 118 (MA 22) (CJA119)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

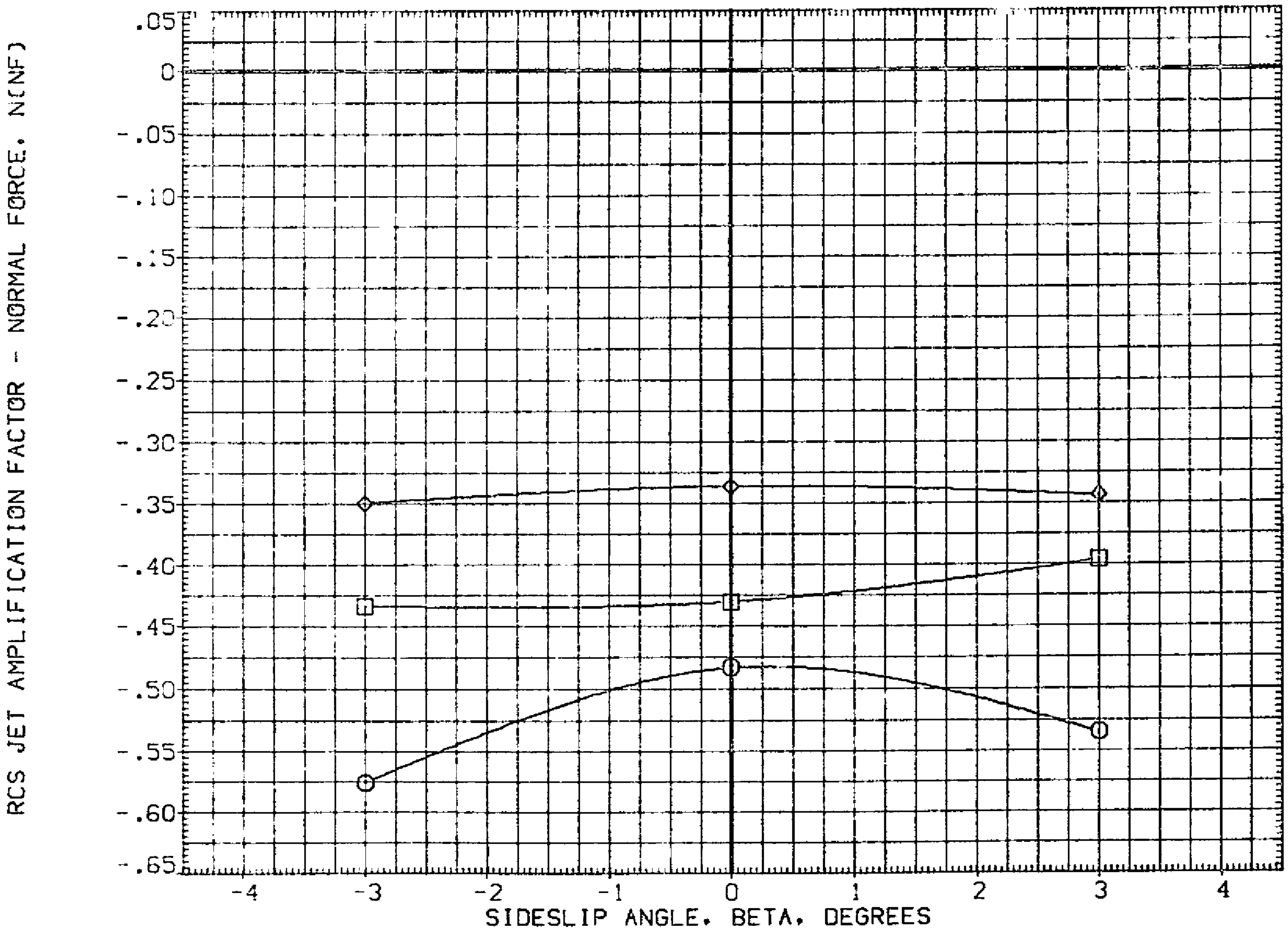

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

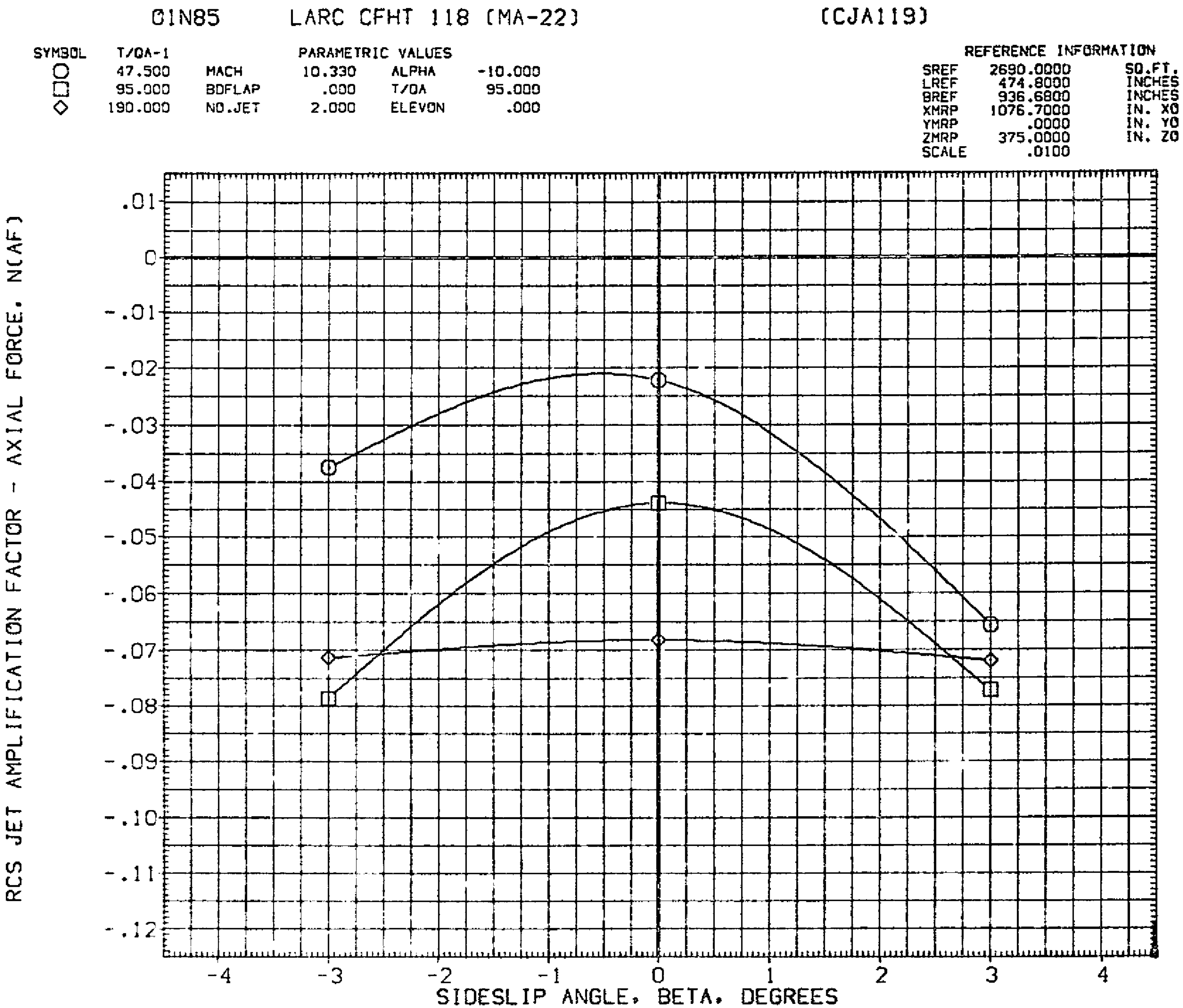

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

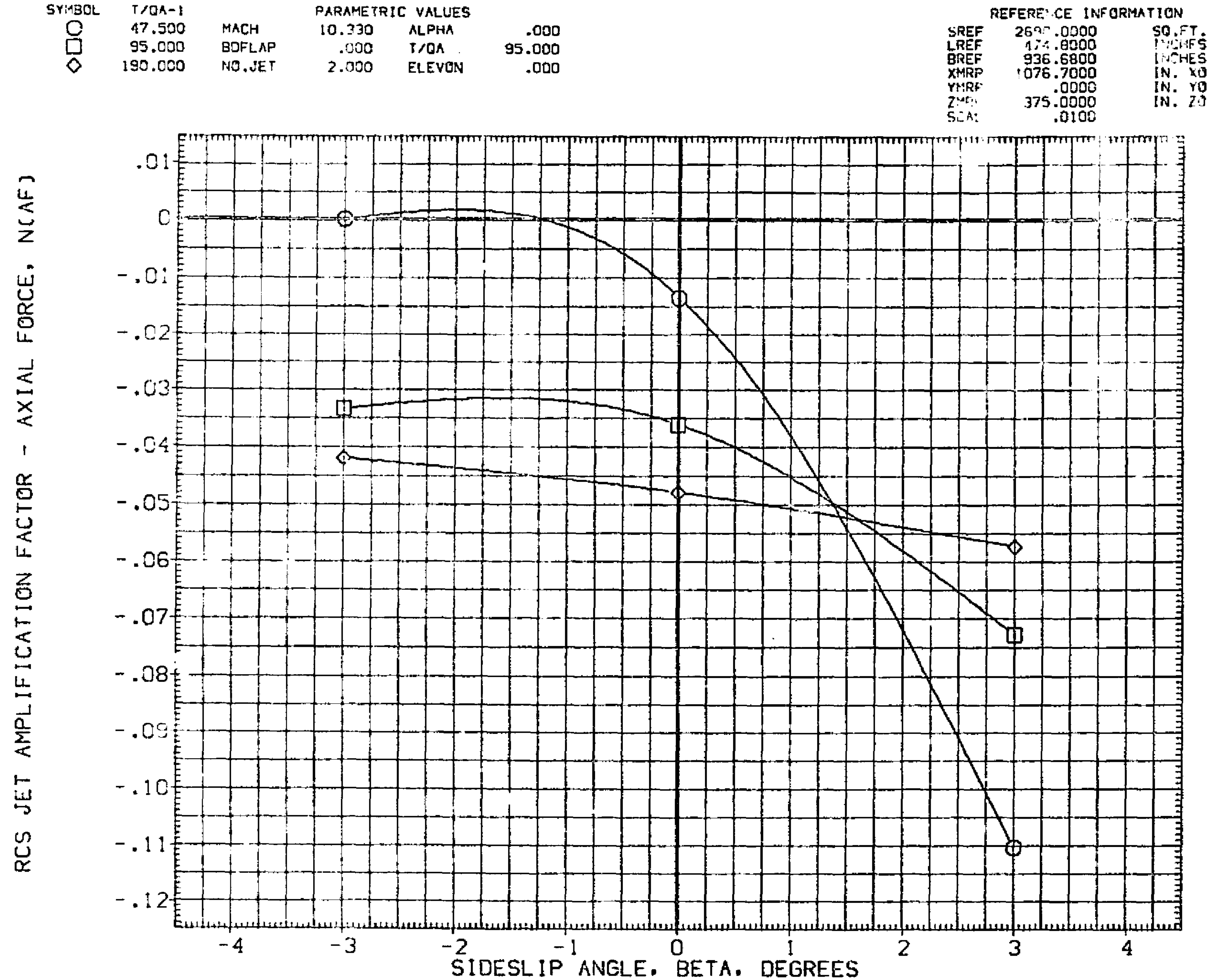

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N85 LARC CFHT 118 (MA-22) (CJA119)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	150.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

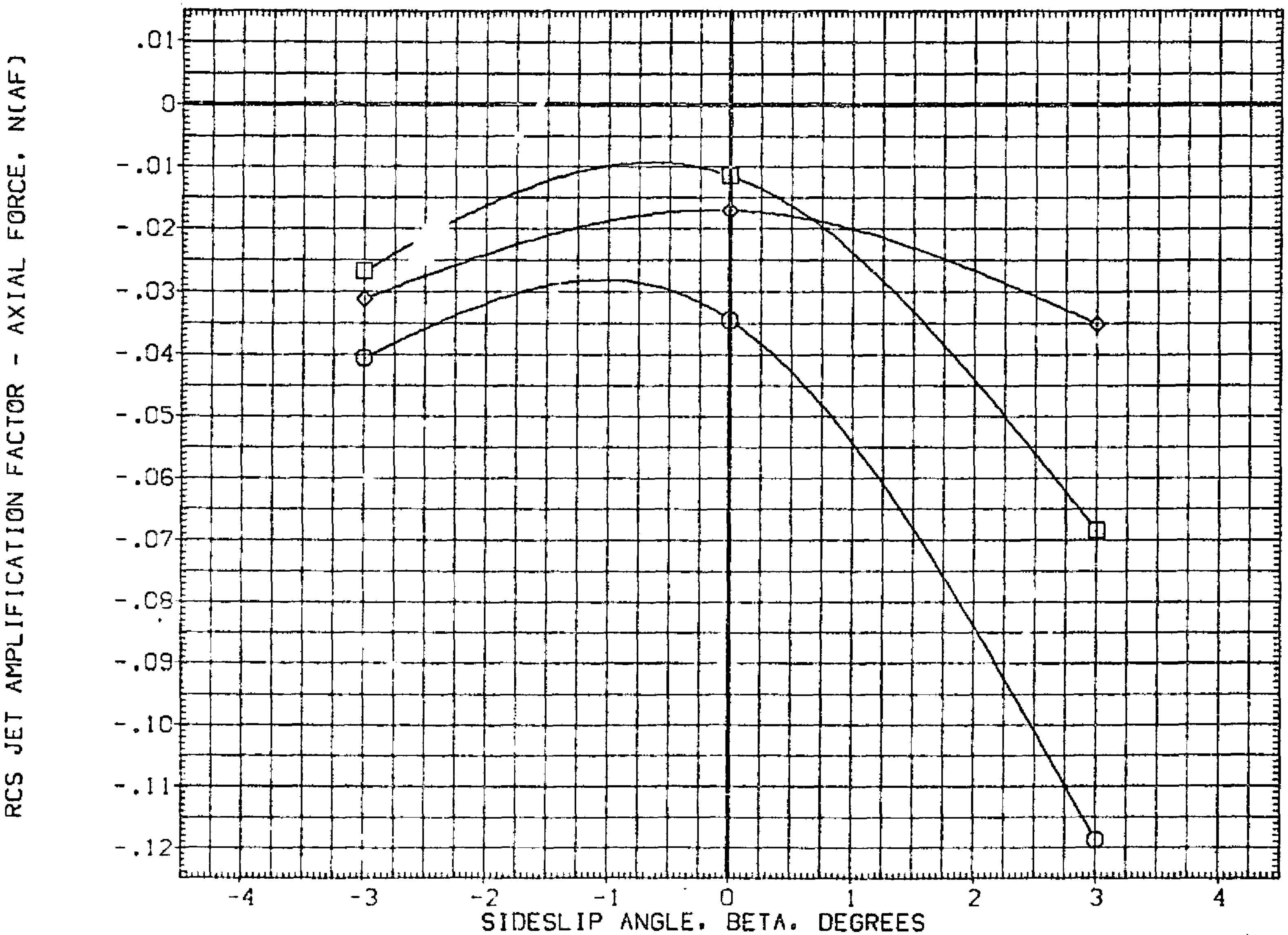

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

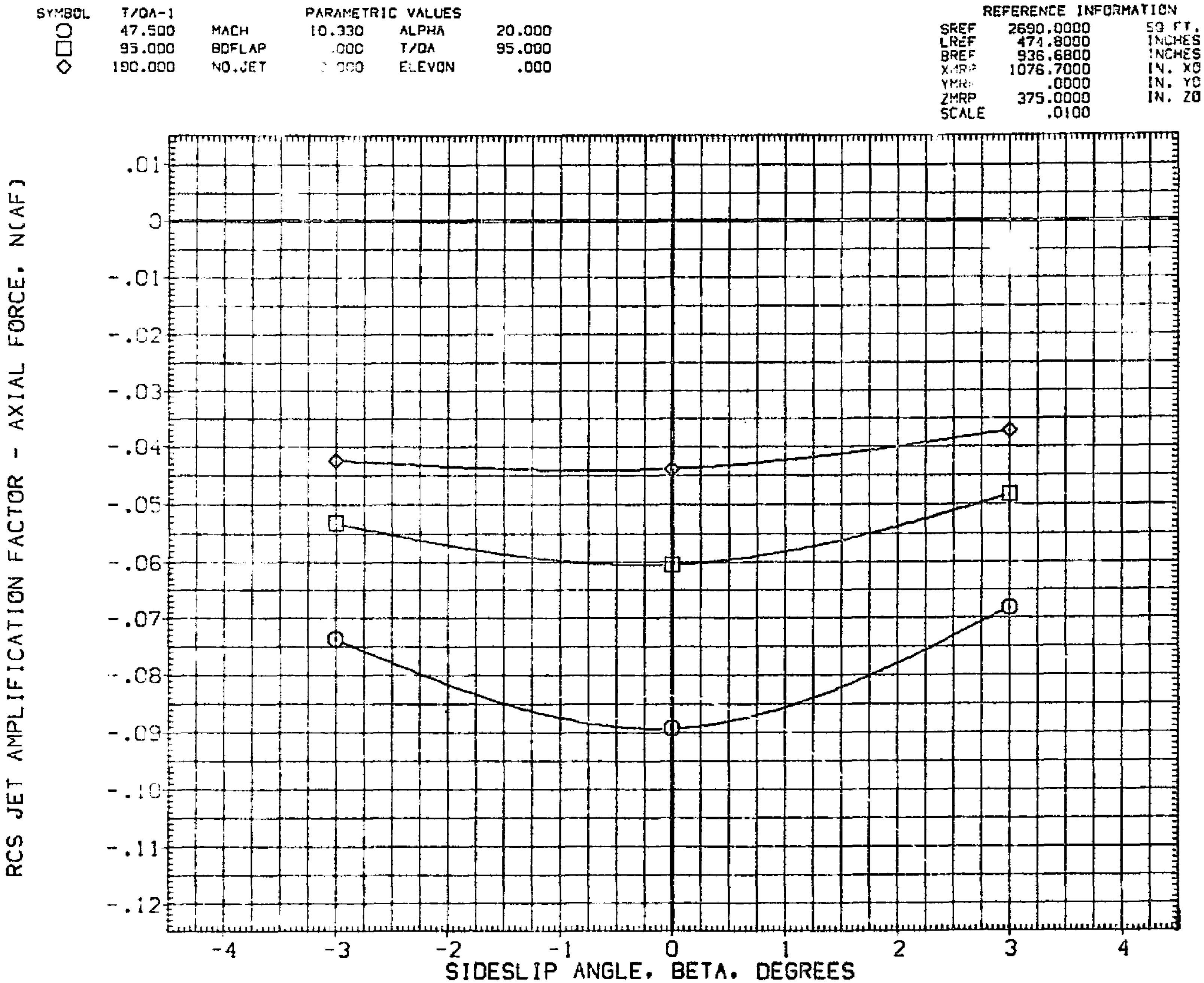

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

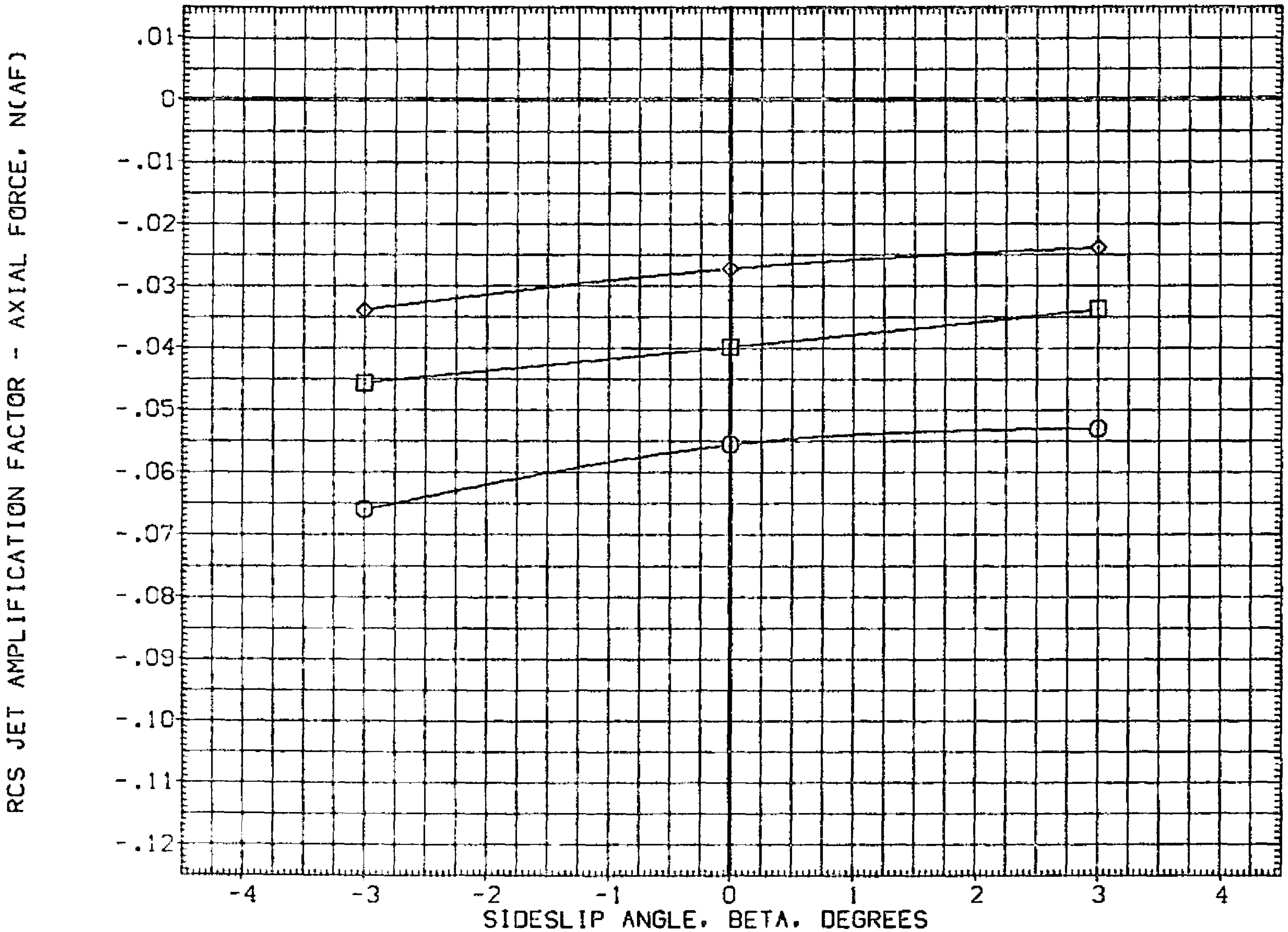

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1
○	47.500
□	95.000
◇	190.000

PARAMETRIC VALUES

MACH	10.330	ALPHA	-10.000
BDFLAP	.000	T/QA	95.000
NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	336.6800	INCHES
XMRP	1076.7000	INCHES
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

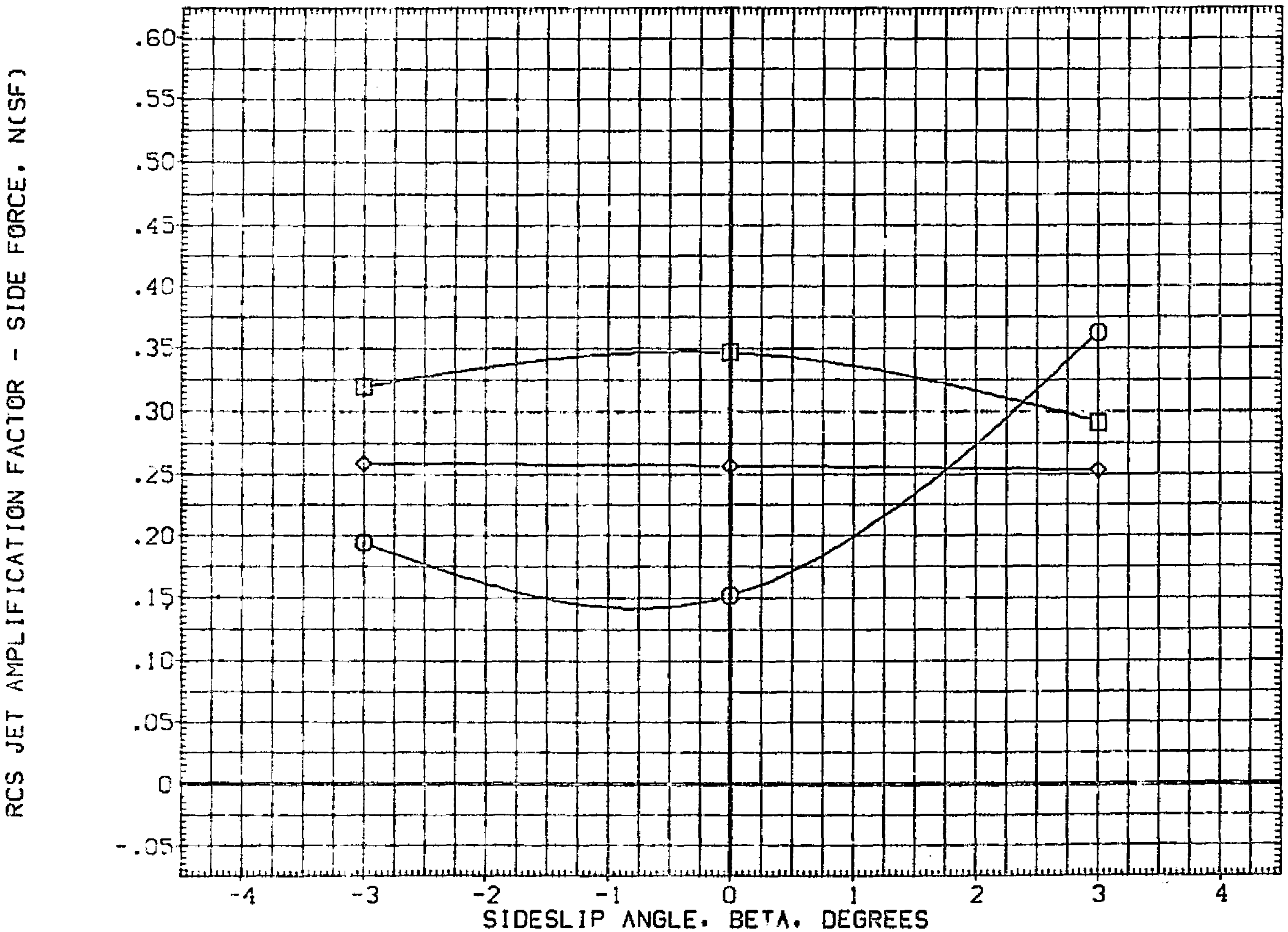

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

01N85 LARC CFHT 118 (MA-22) (CJA119)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

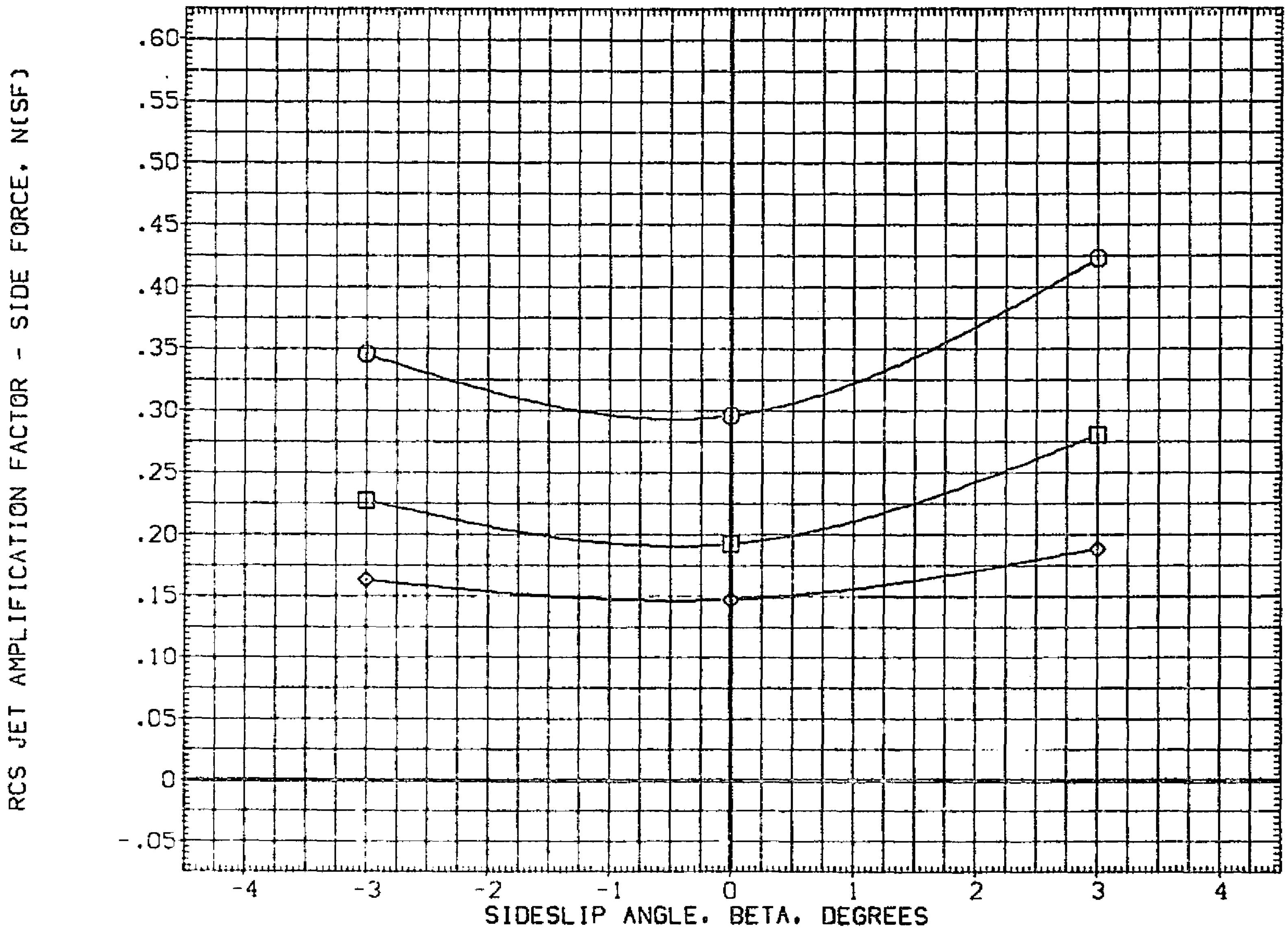

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

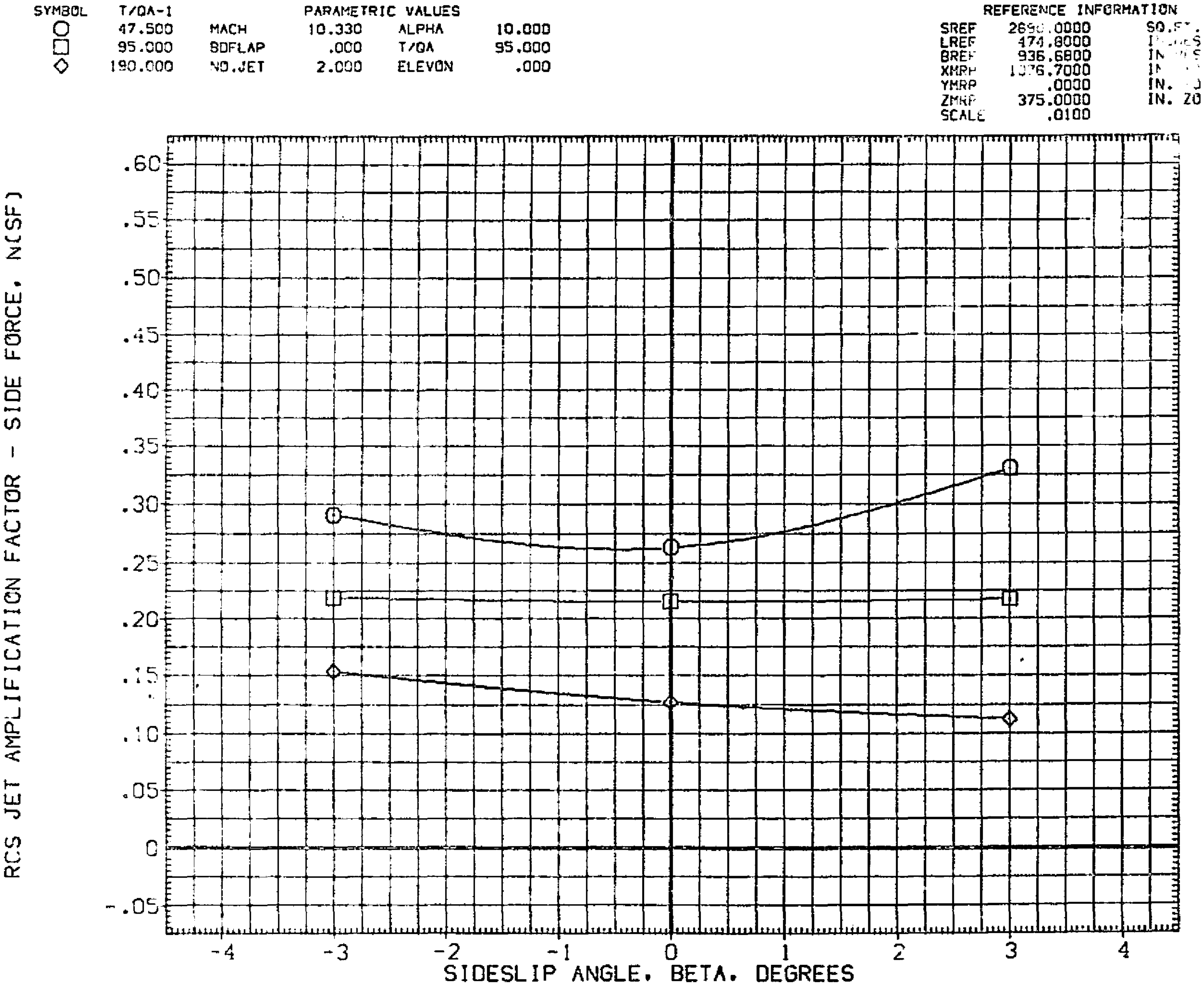

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

@1N85 LARC CFHT 118 (MA-22) (CJA119)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

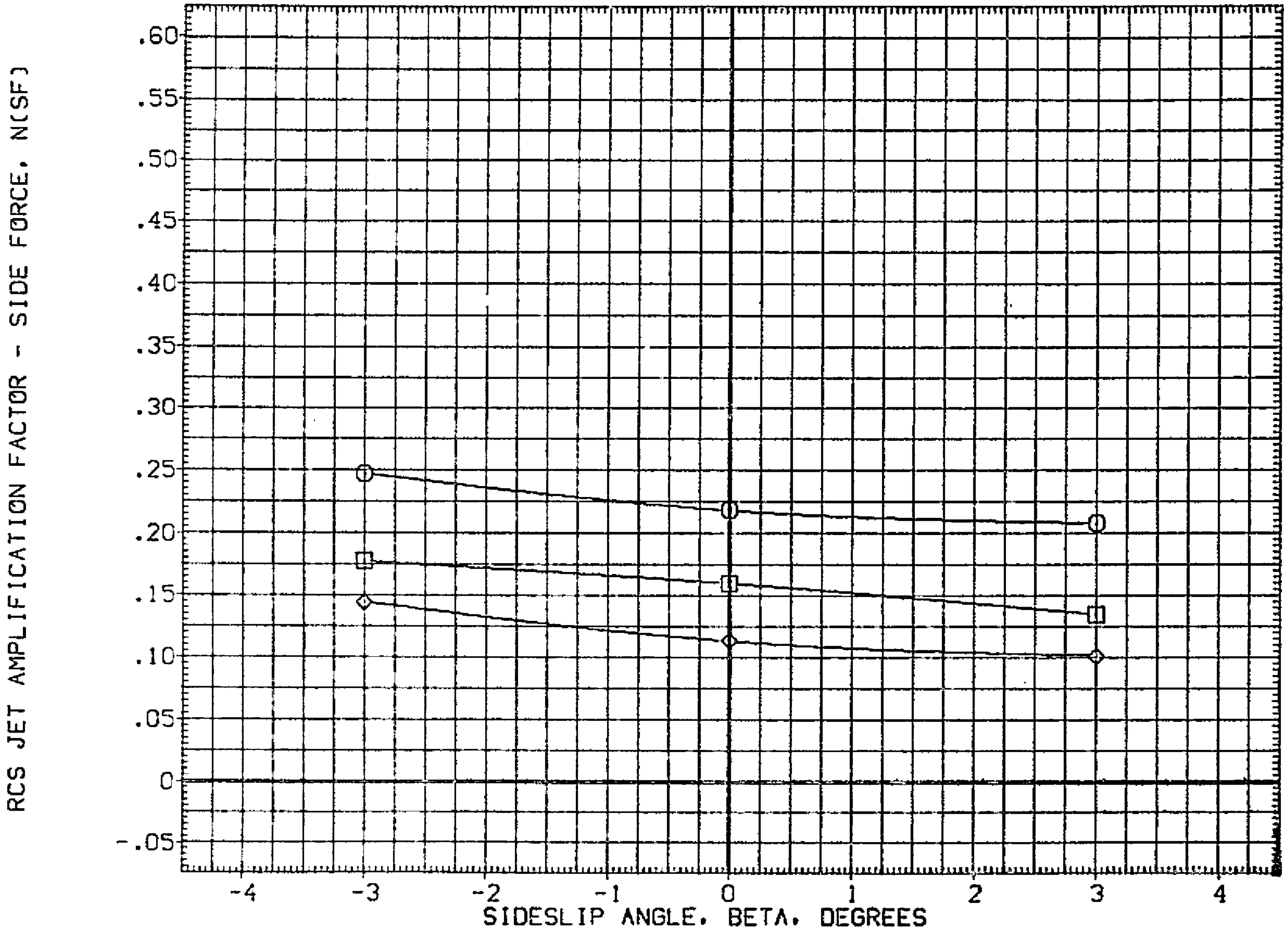

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

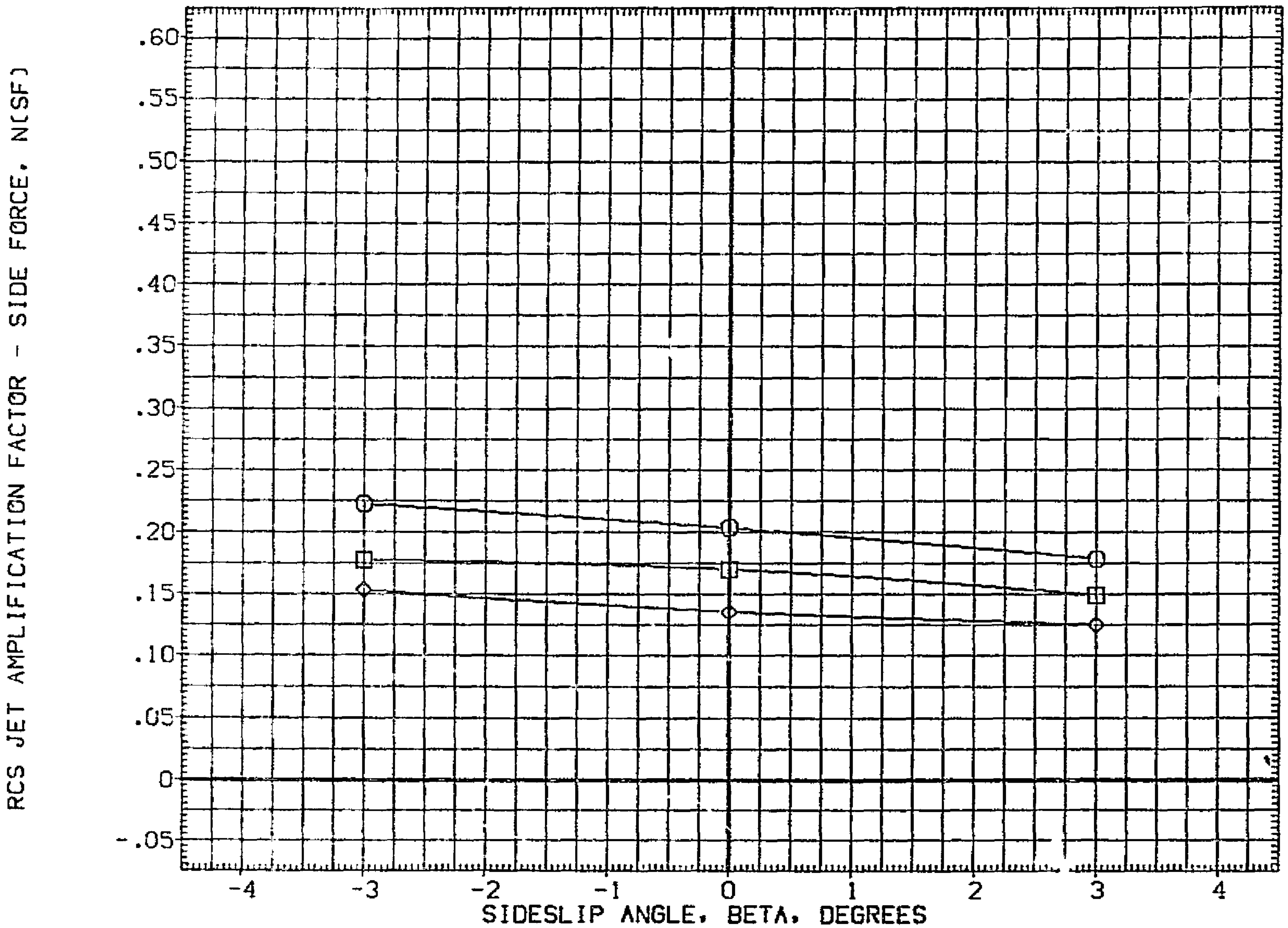

FIGURE 89. AMPLIFICATION FACTOR IN YAW, N85 JETS

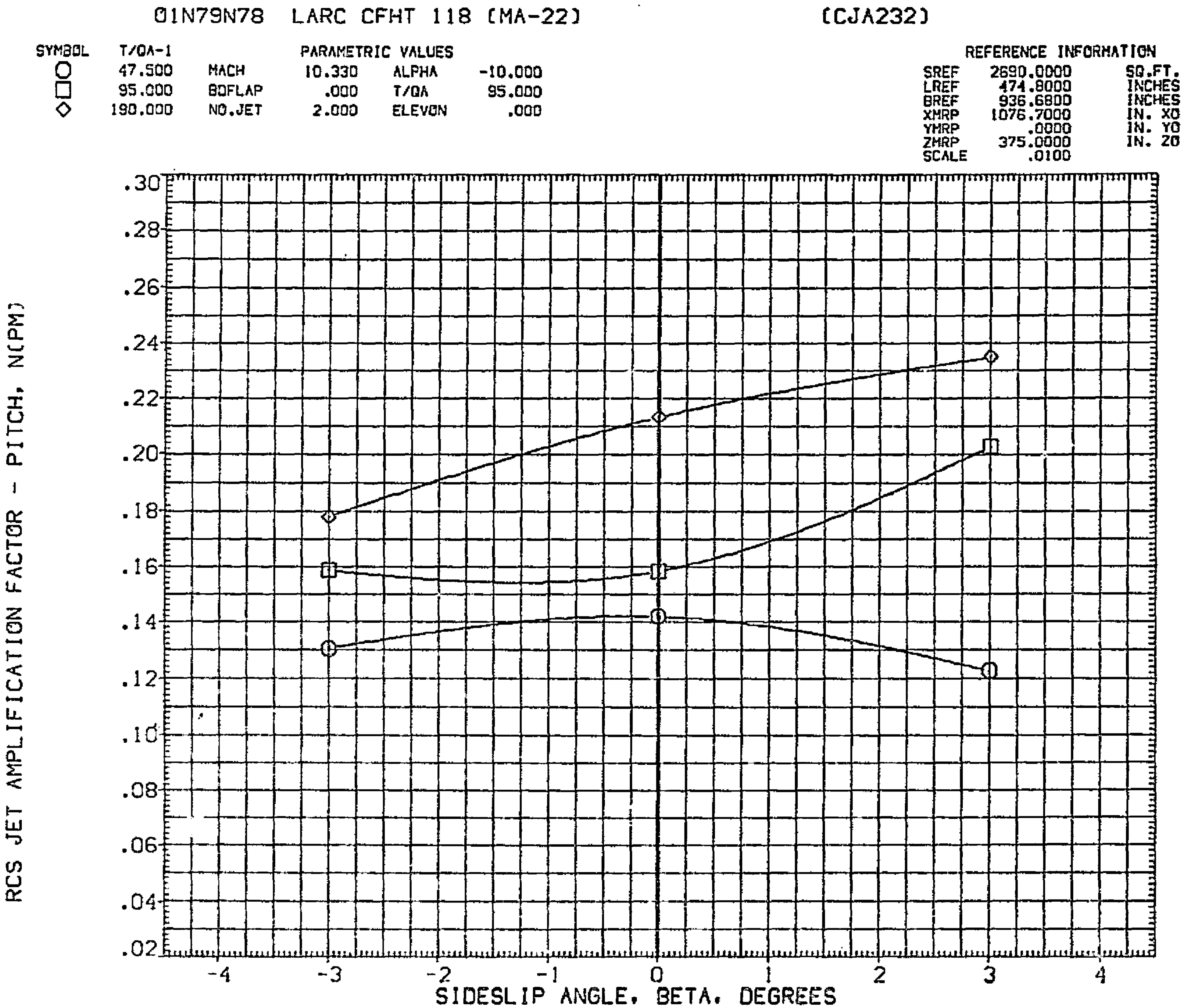

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

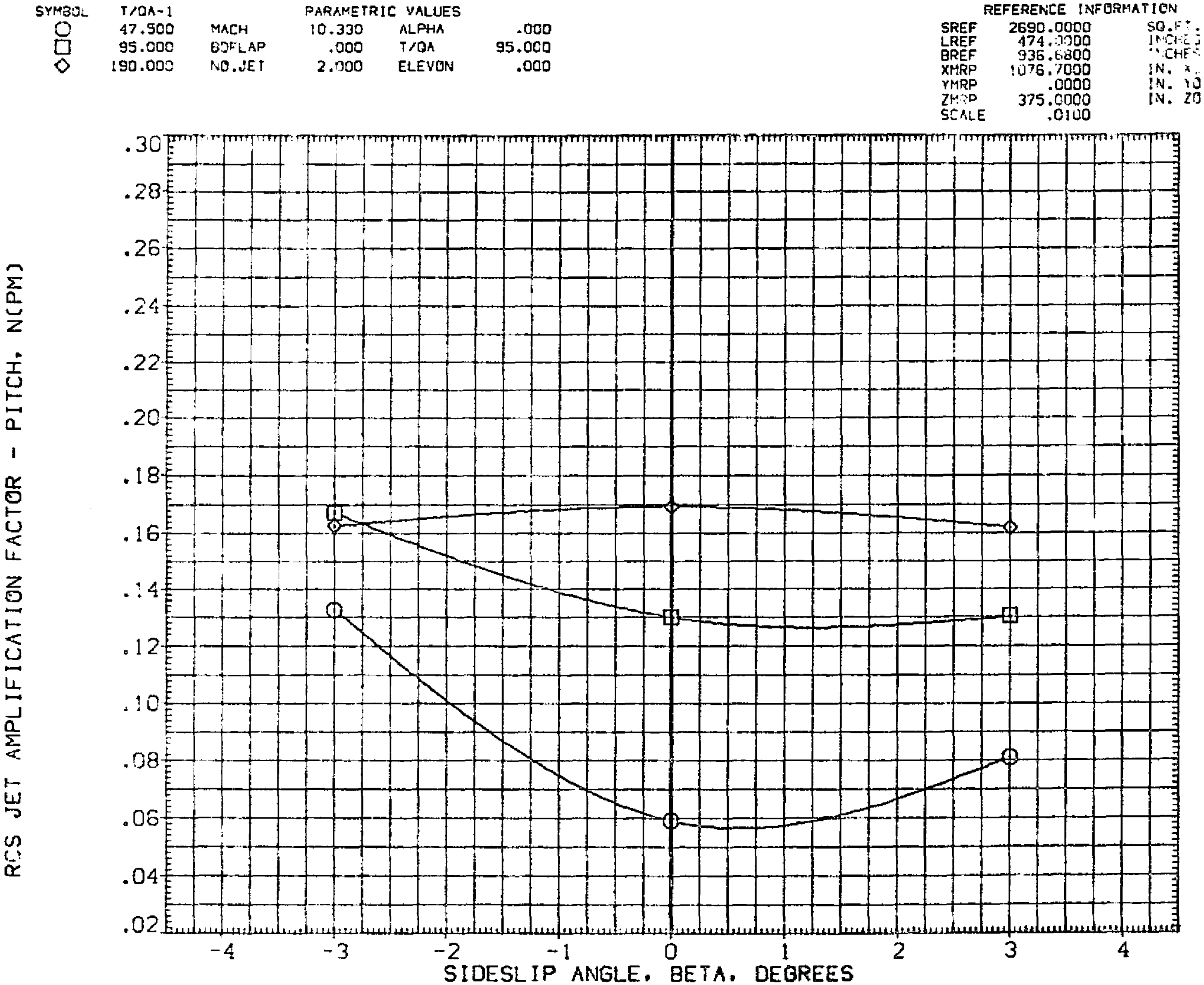

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

OIN79N78 LARC CFHT 118 (MA-22) (CJA232)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

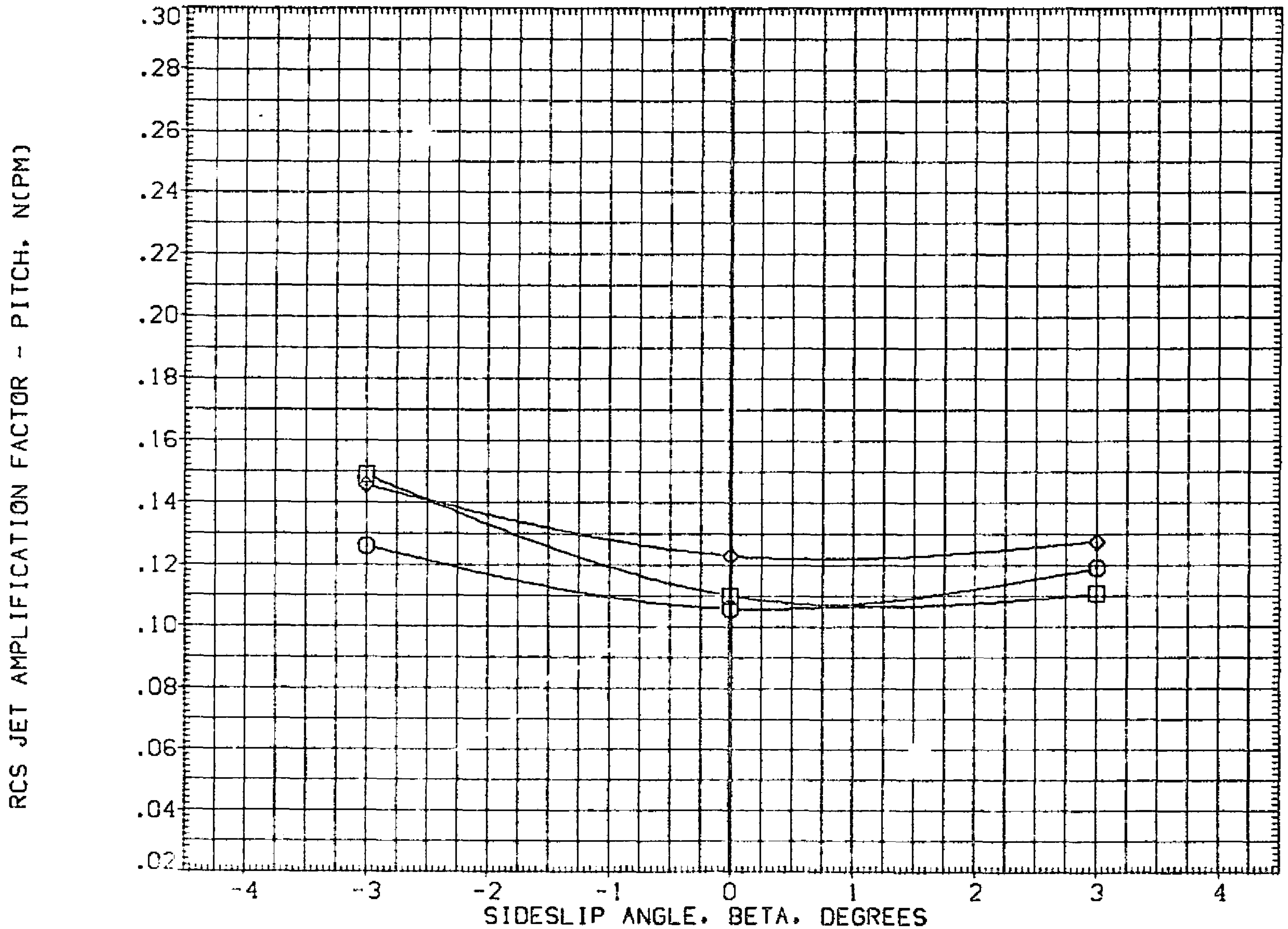

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

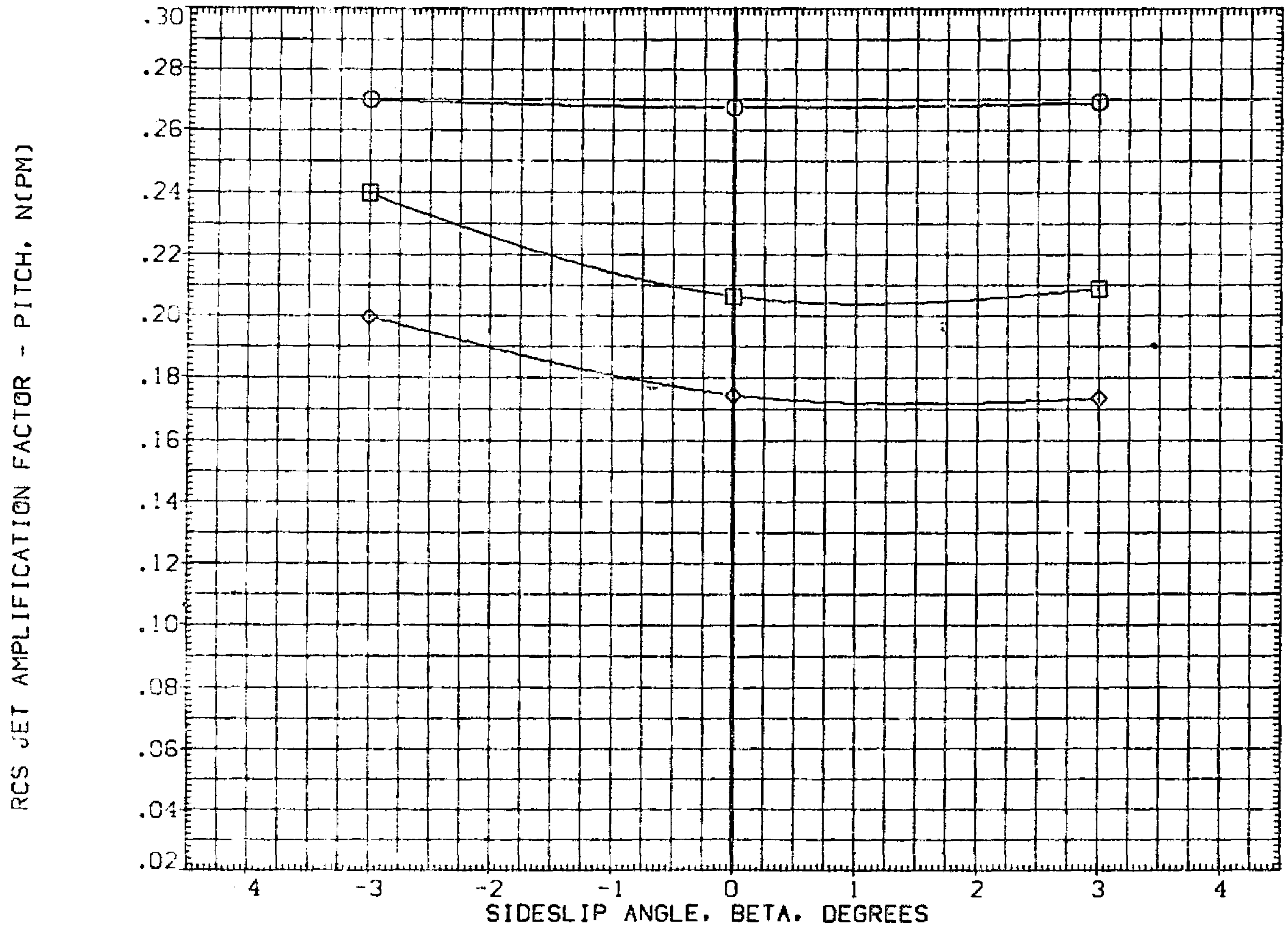

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

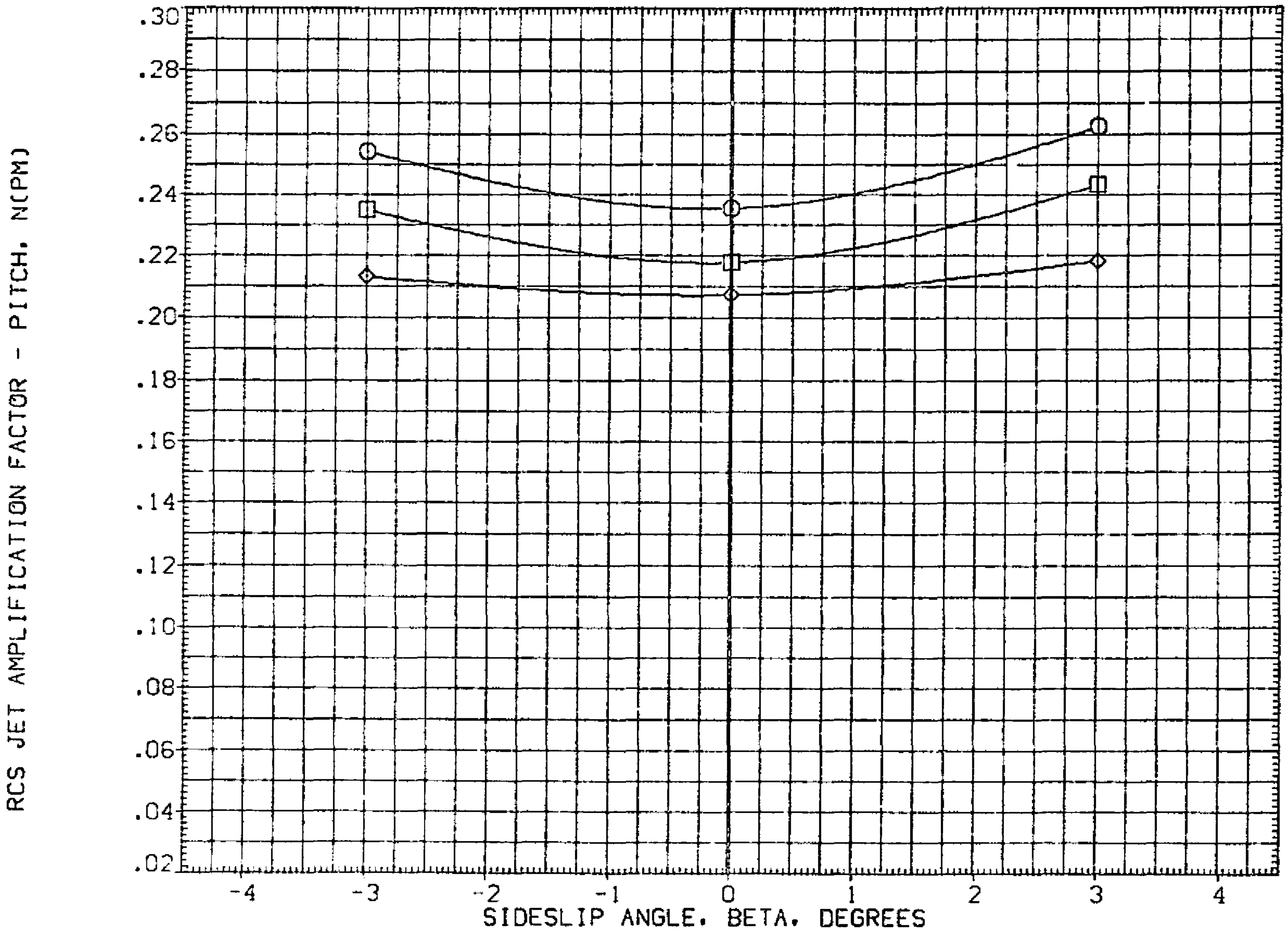

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

01N79N78 LARC CFHT 118 (MA-22) (CJA232)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.[illegible]	INCHES
BREF	936.[illegible]800	INCHES
XMRP	[illegible]76.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
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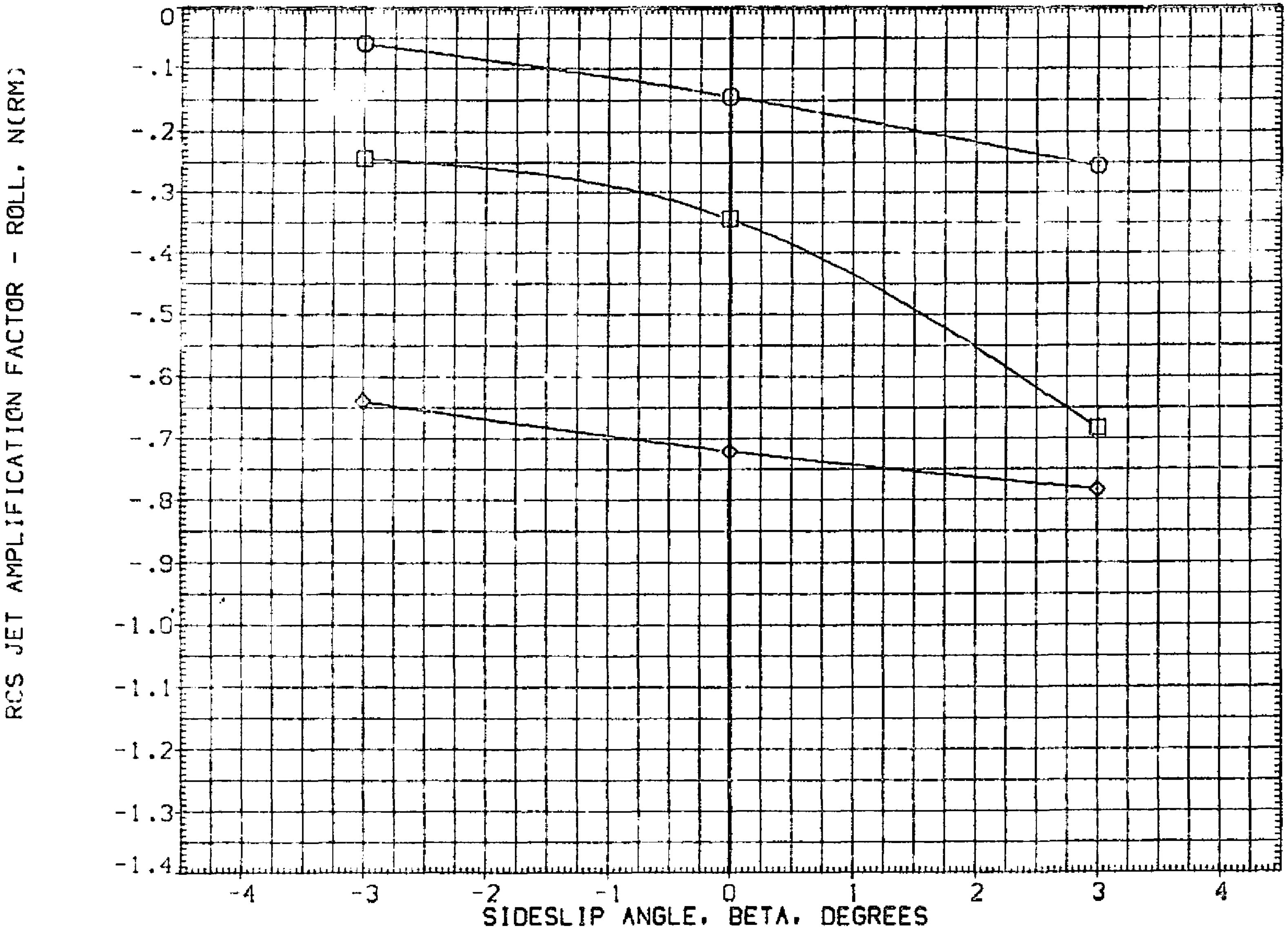

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

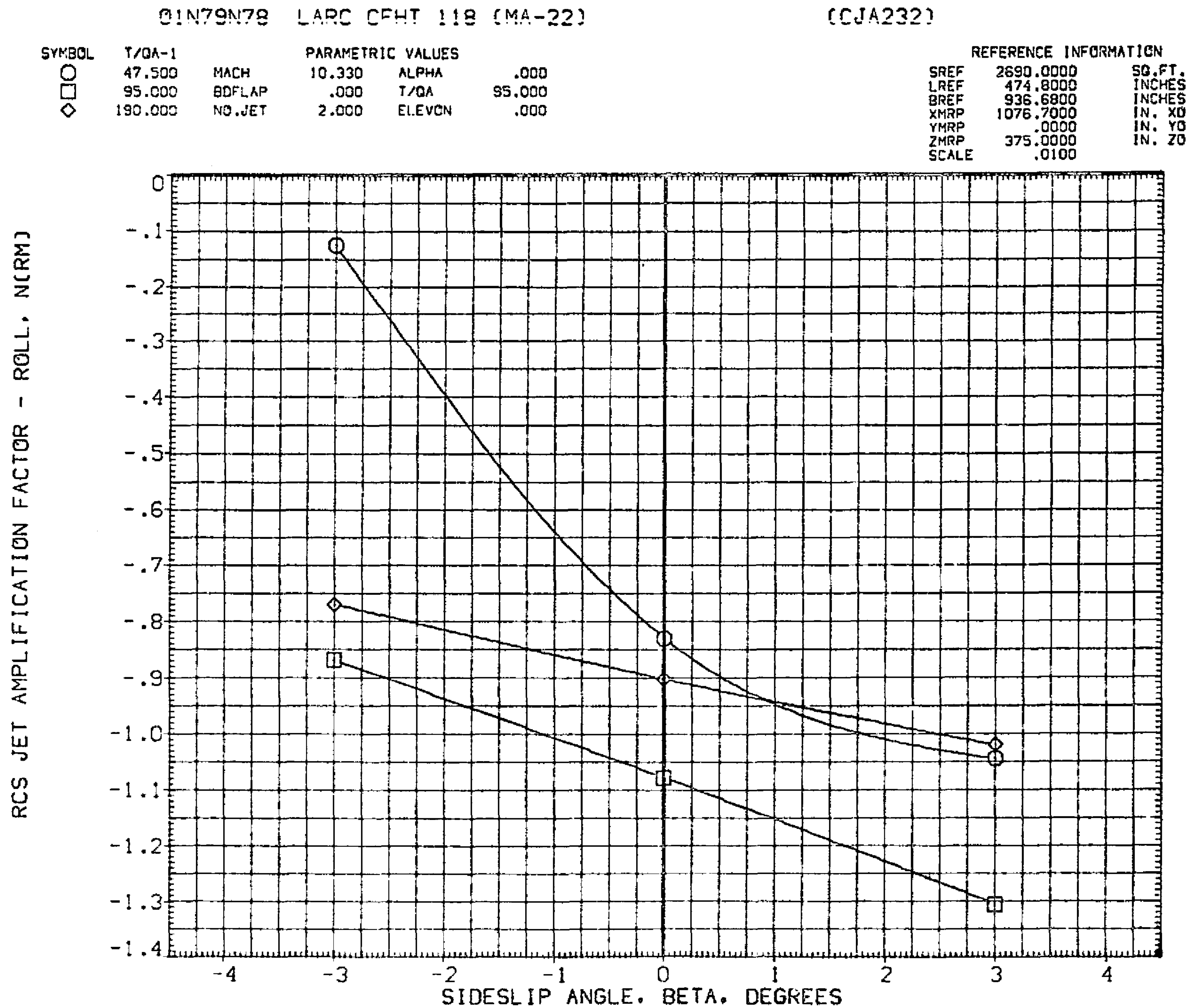

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

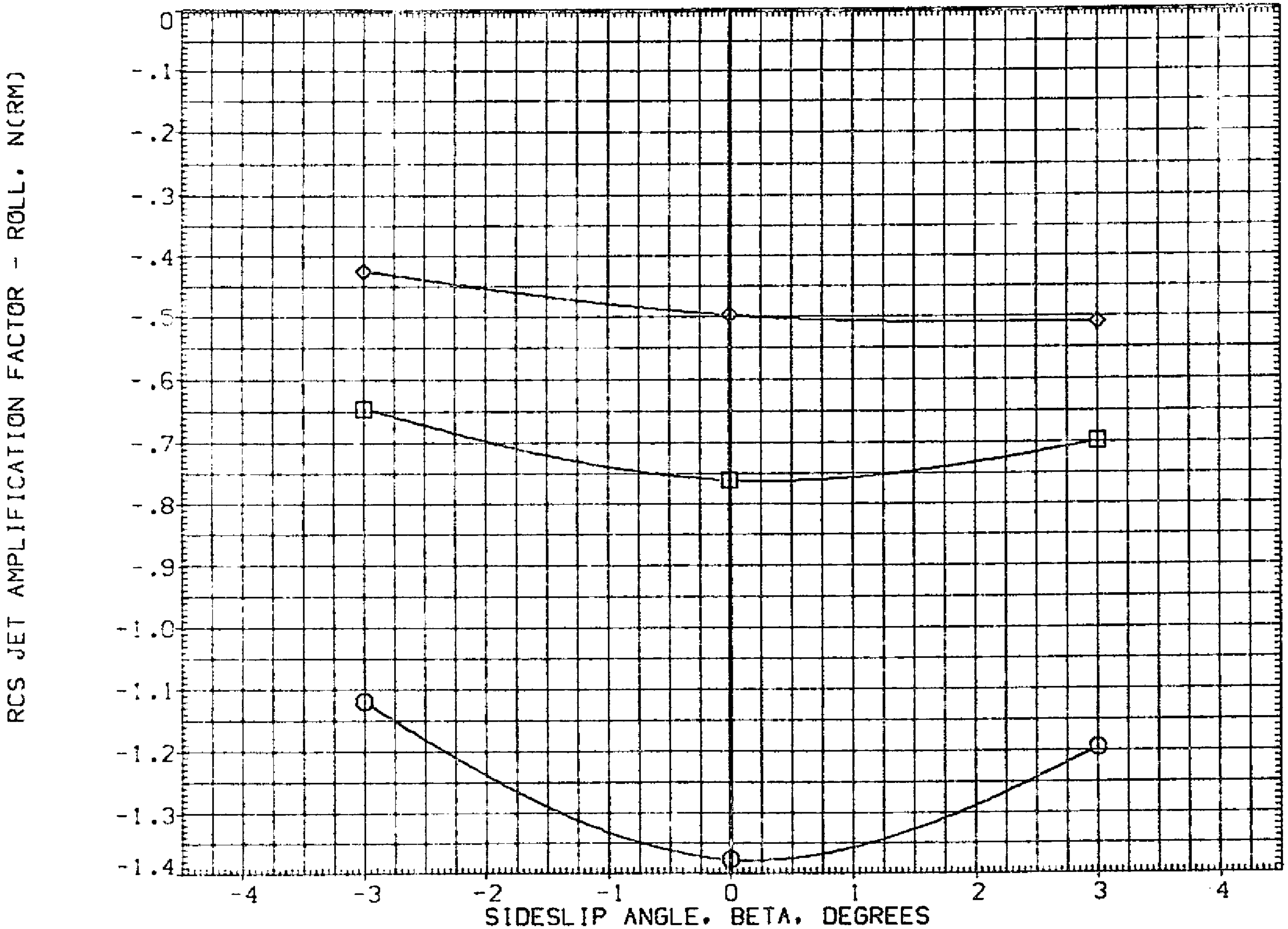

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

0IN79N78 LARC CFHT 118 (MA-22) (CJA232)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

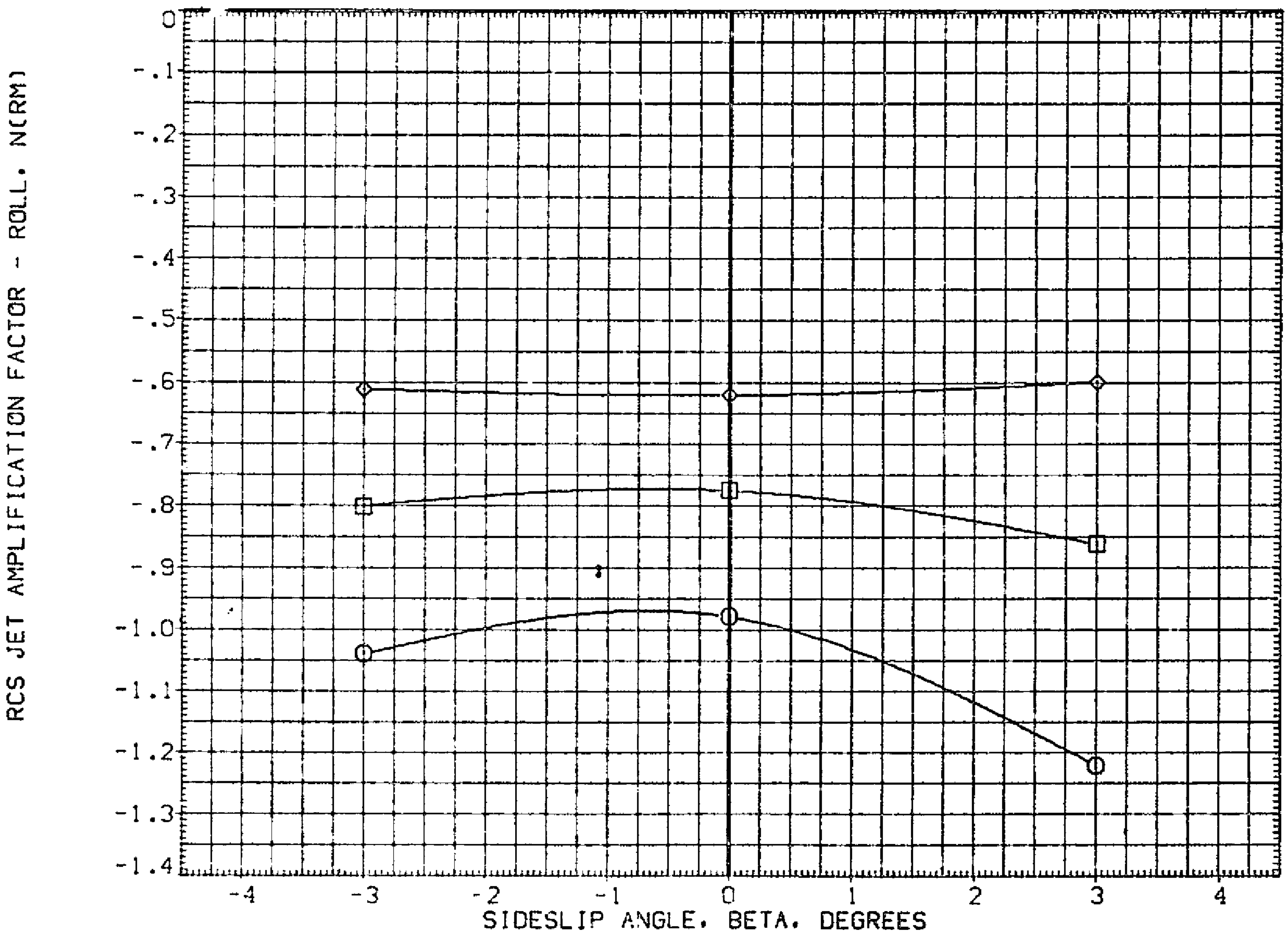

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

01N79N78 LARC CFHT 118 (MA-22) (CJA232)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

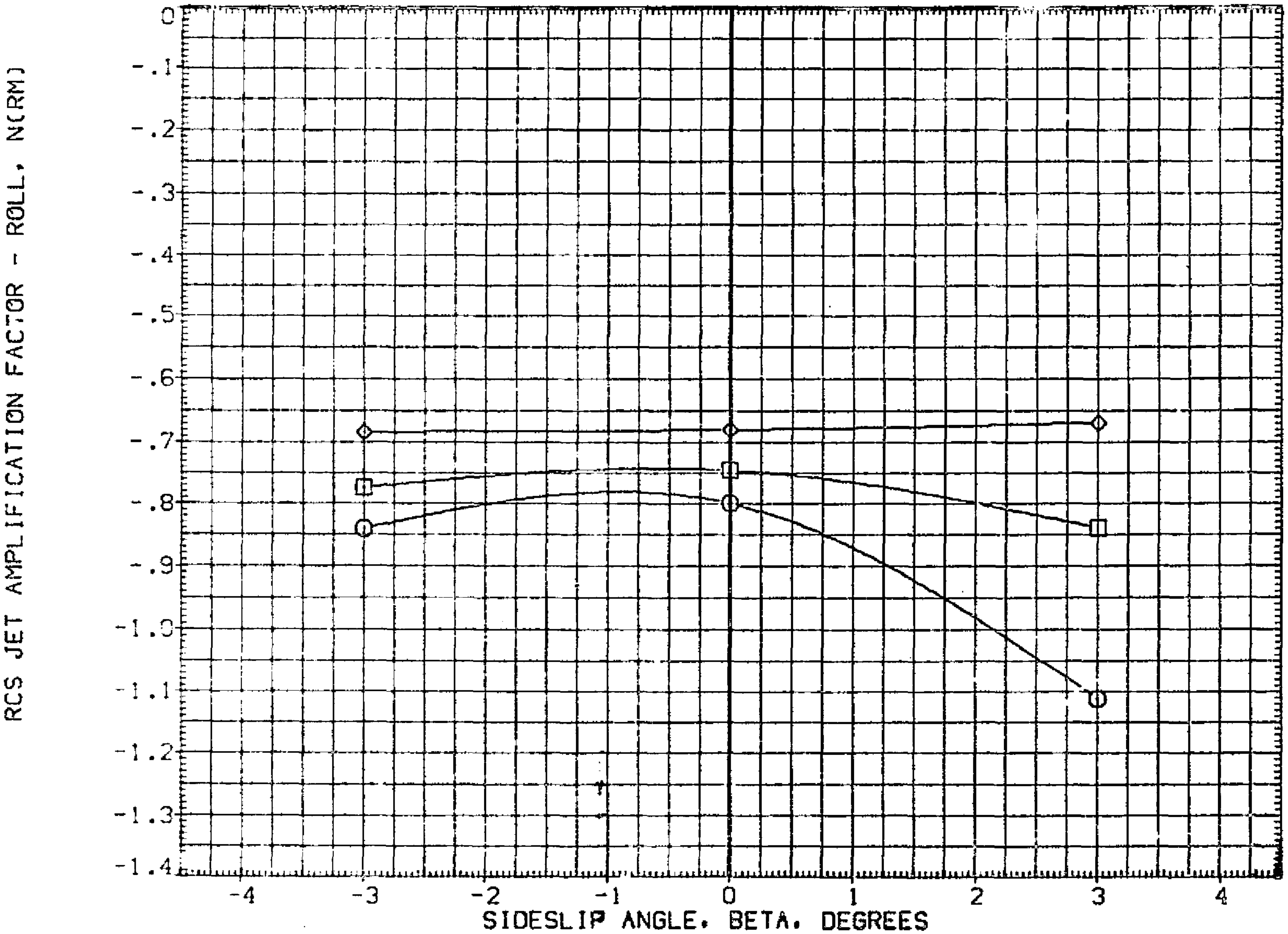

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

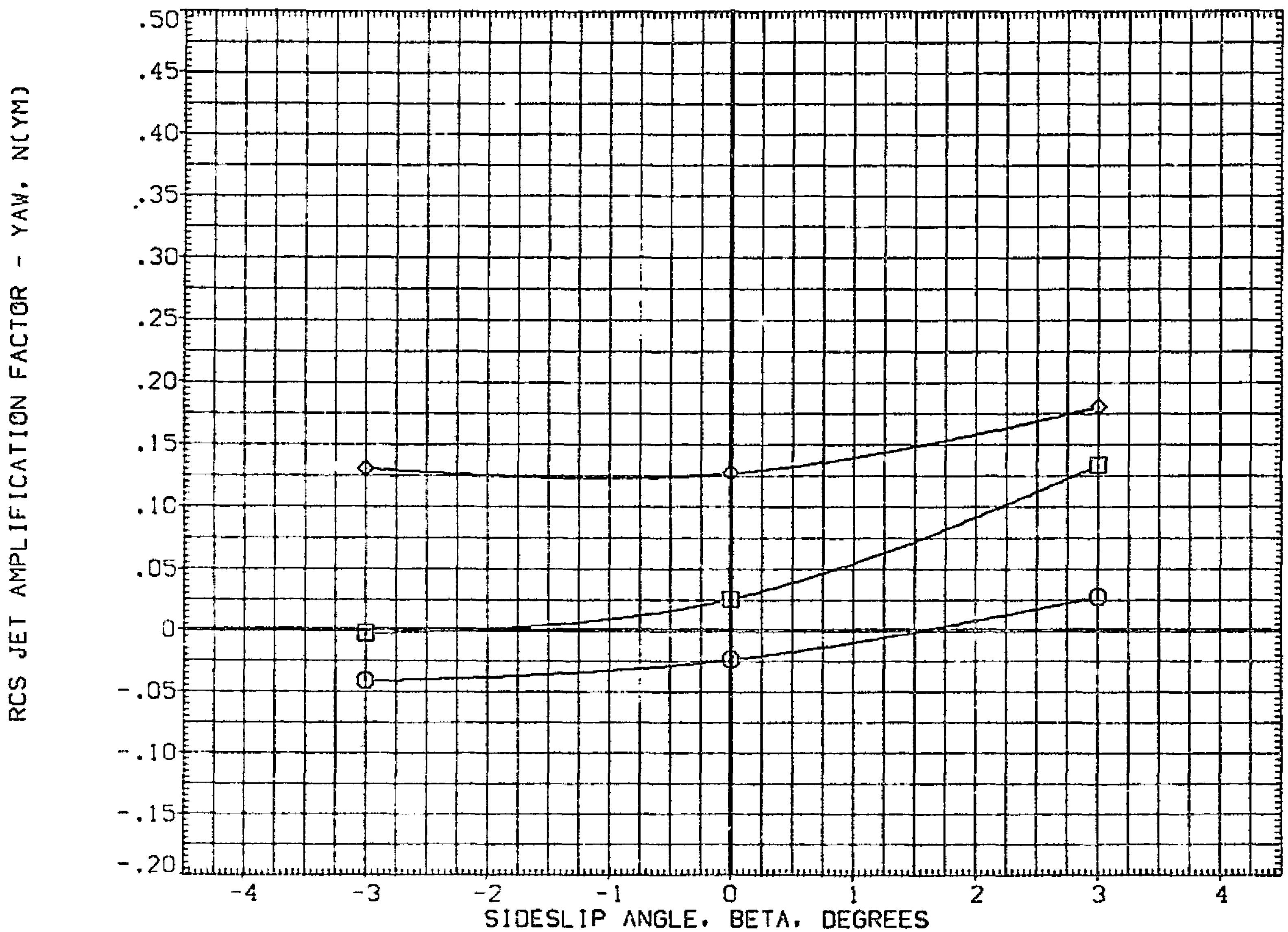

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

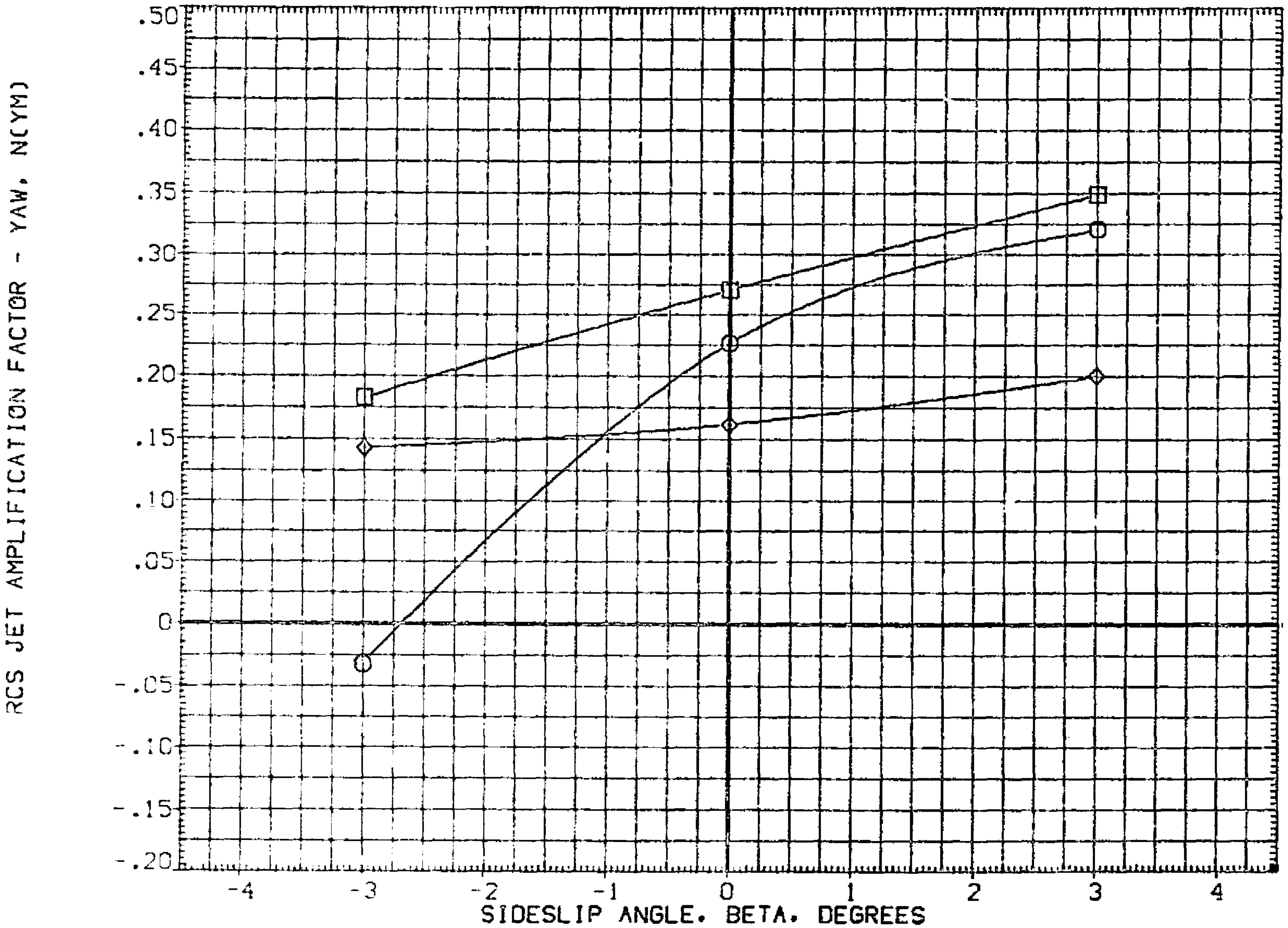

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

01N79N78 LARC CFHT 118 (MA-22) (CJA232)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
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YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

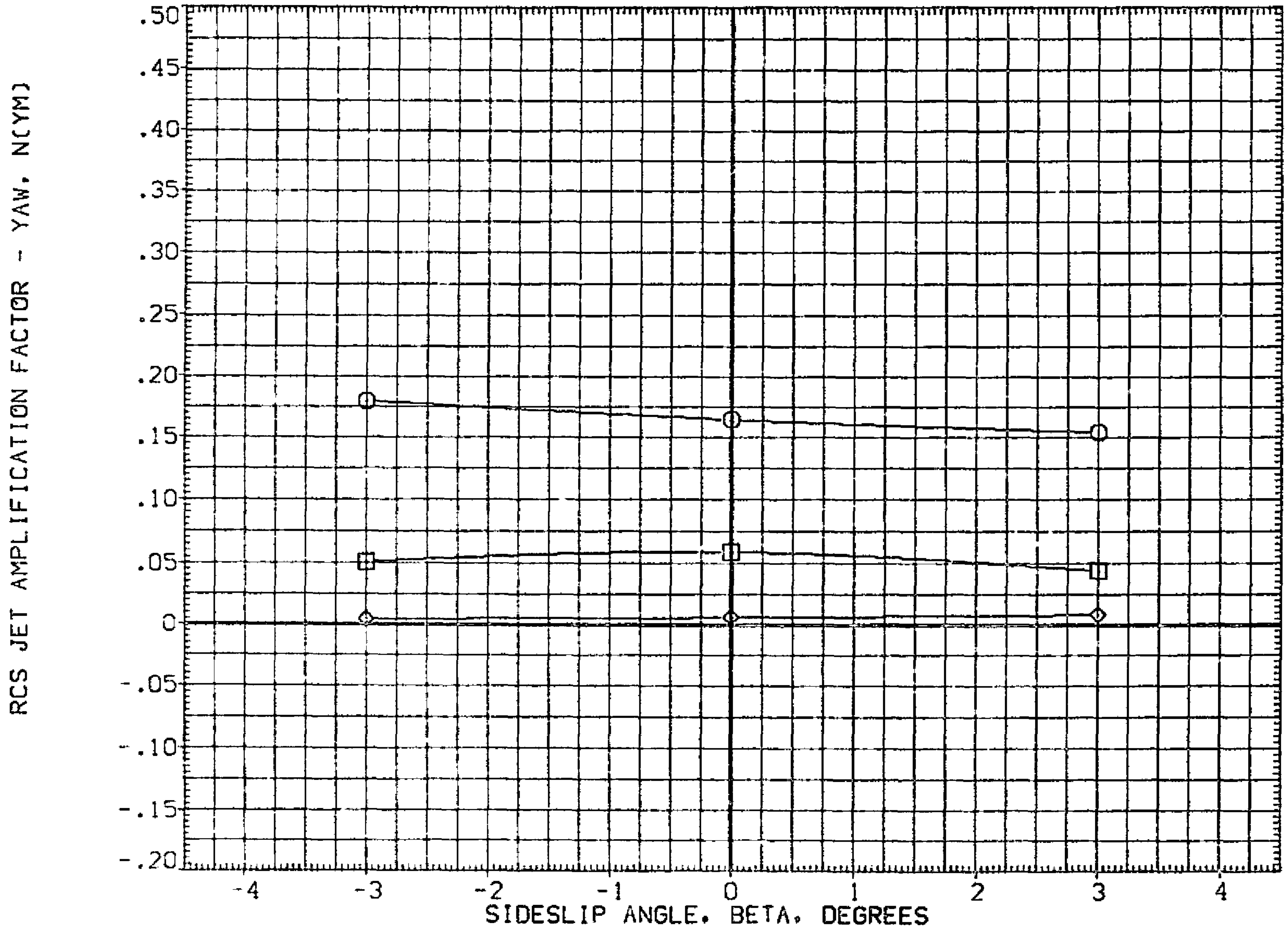

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/OA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

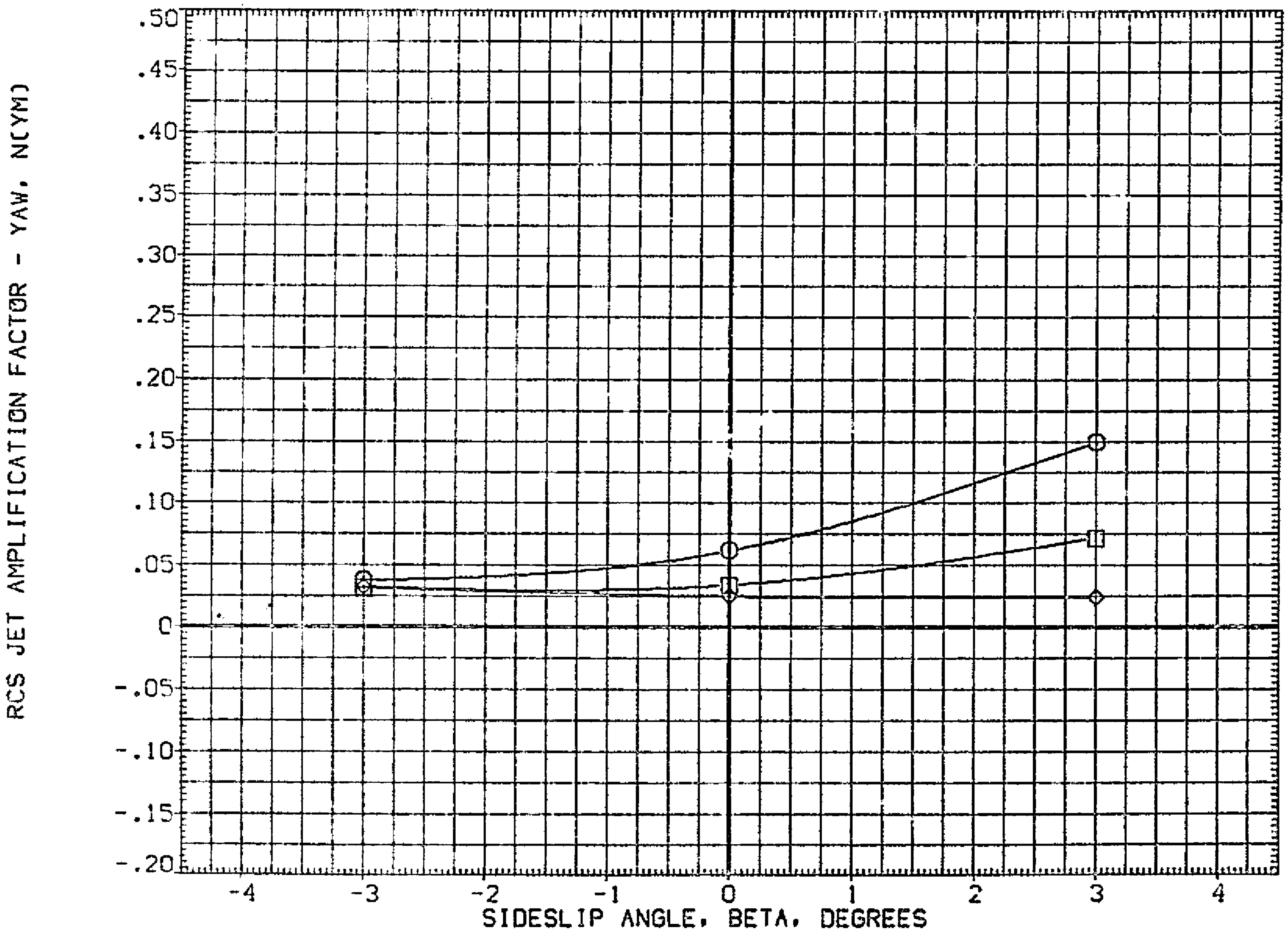

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

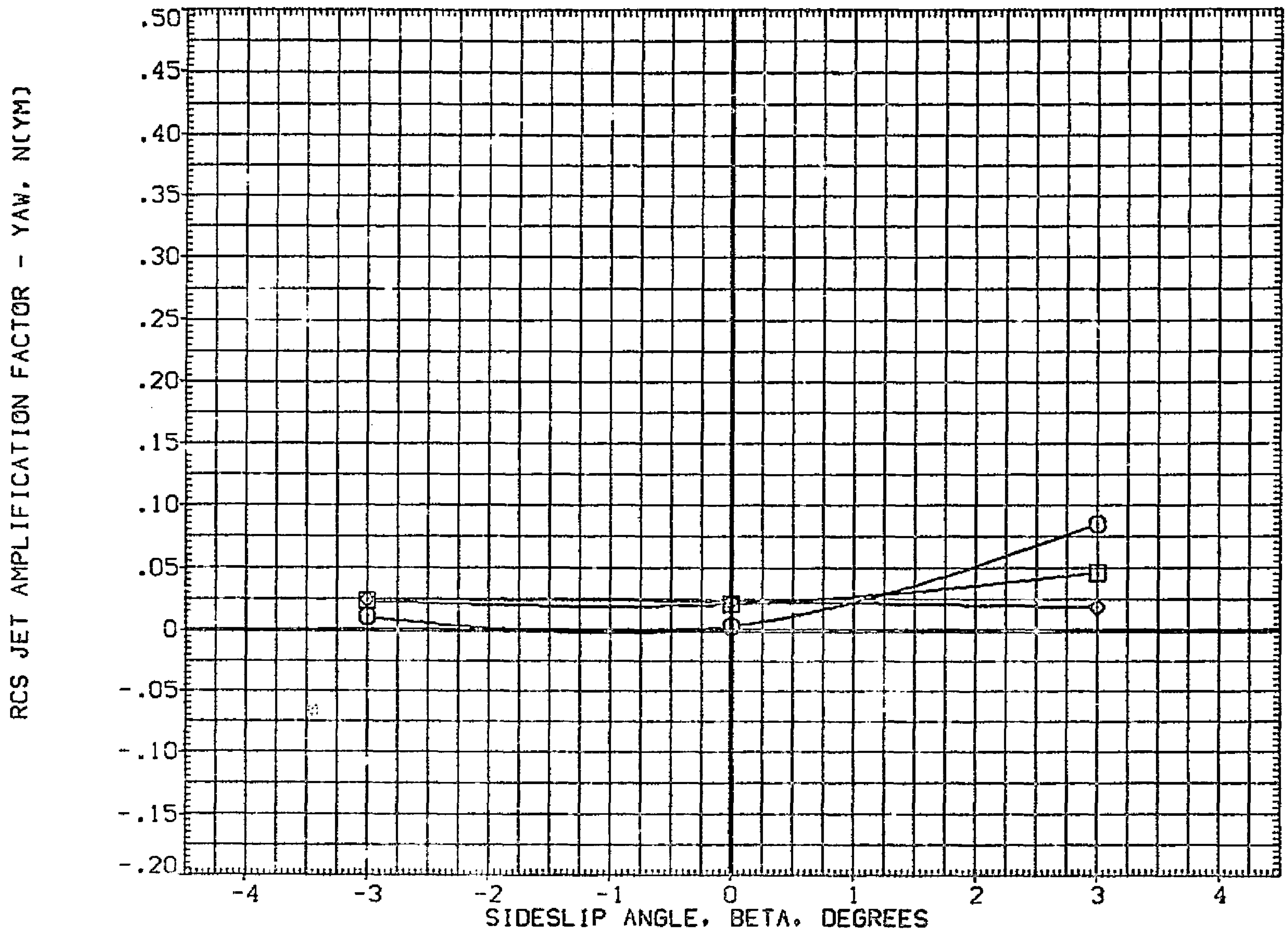

FIGURE 90. AMPLIFICATION FACTOR IN 'W, N79N78 JETS

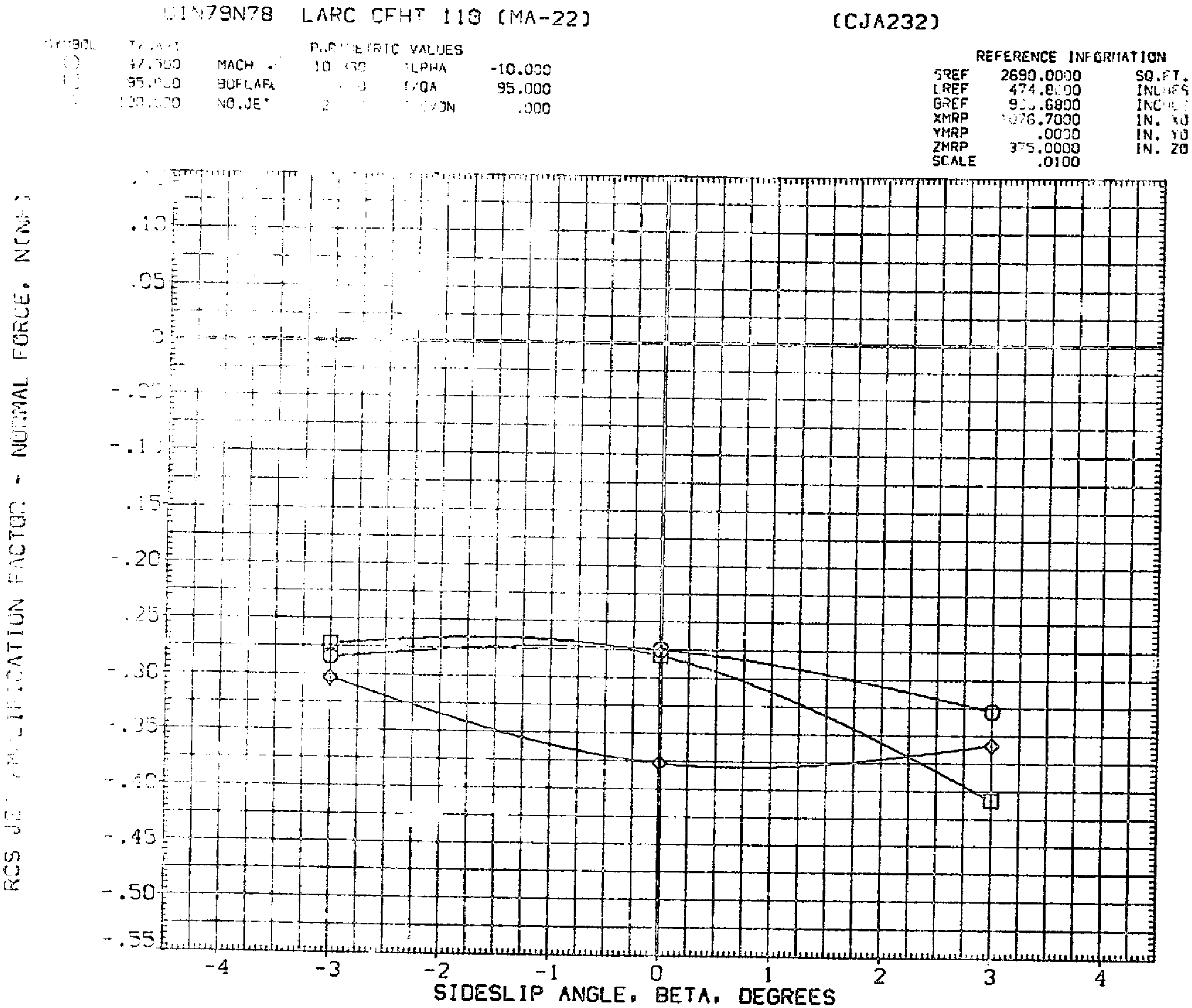

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

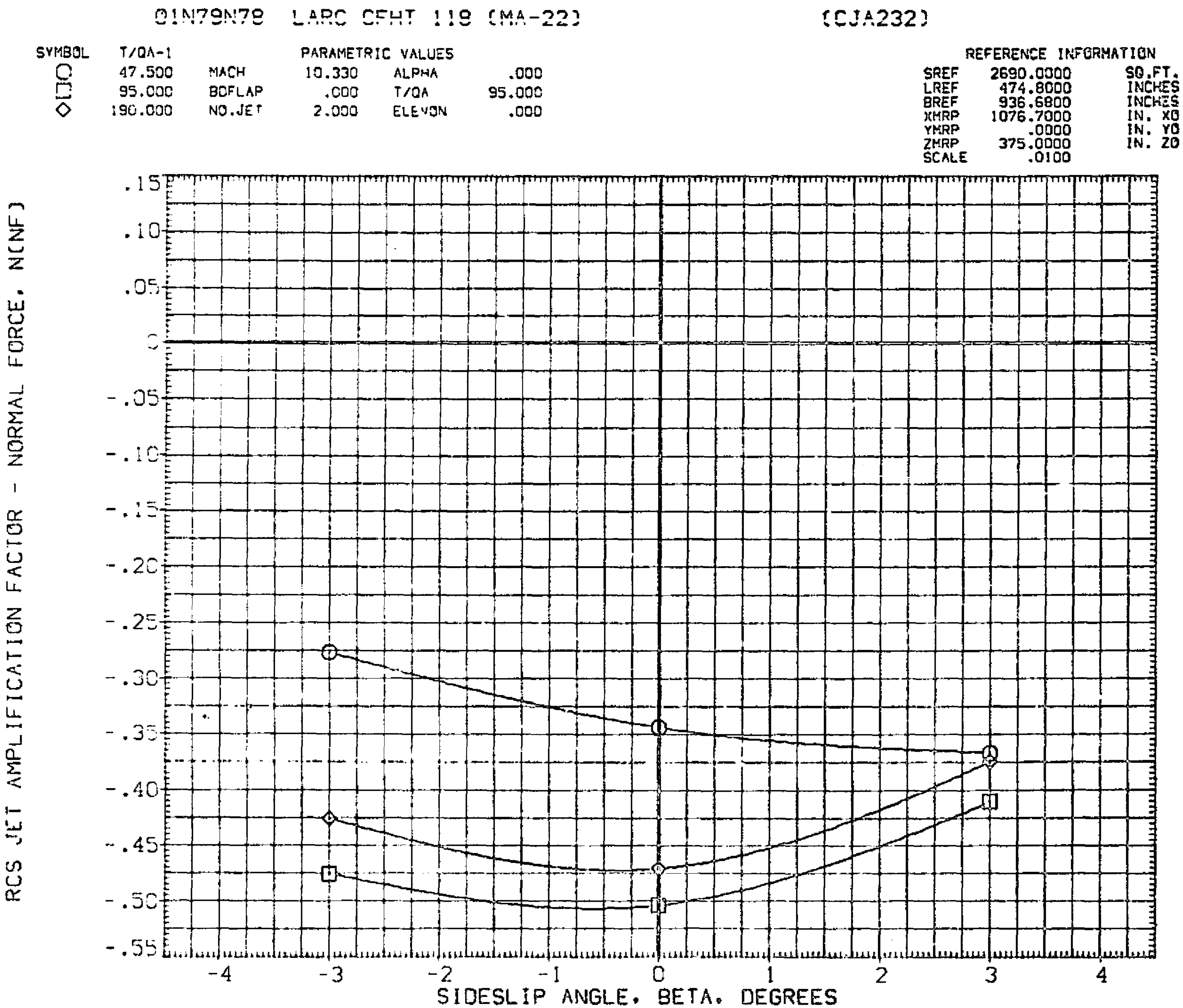

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

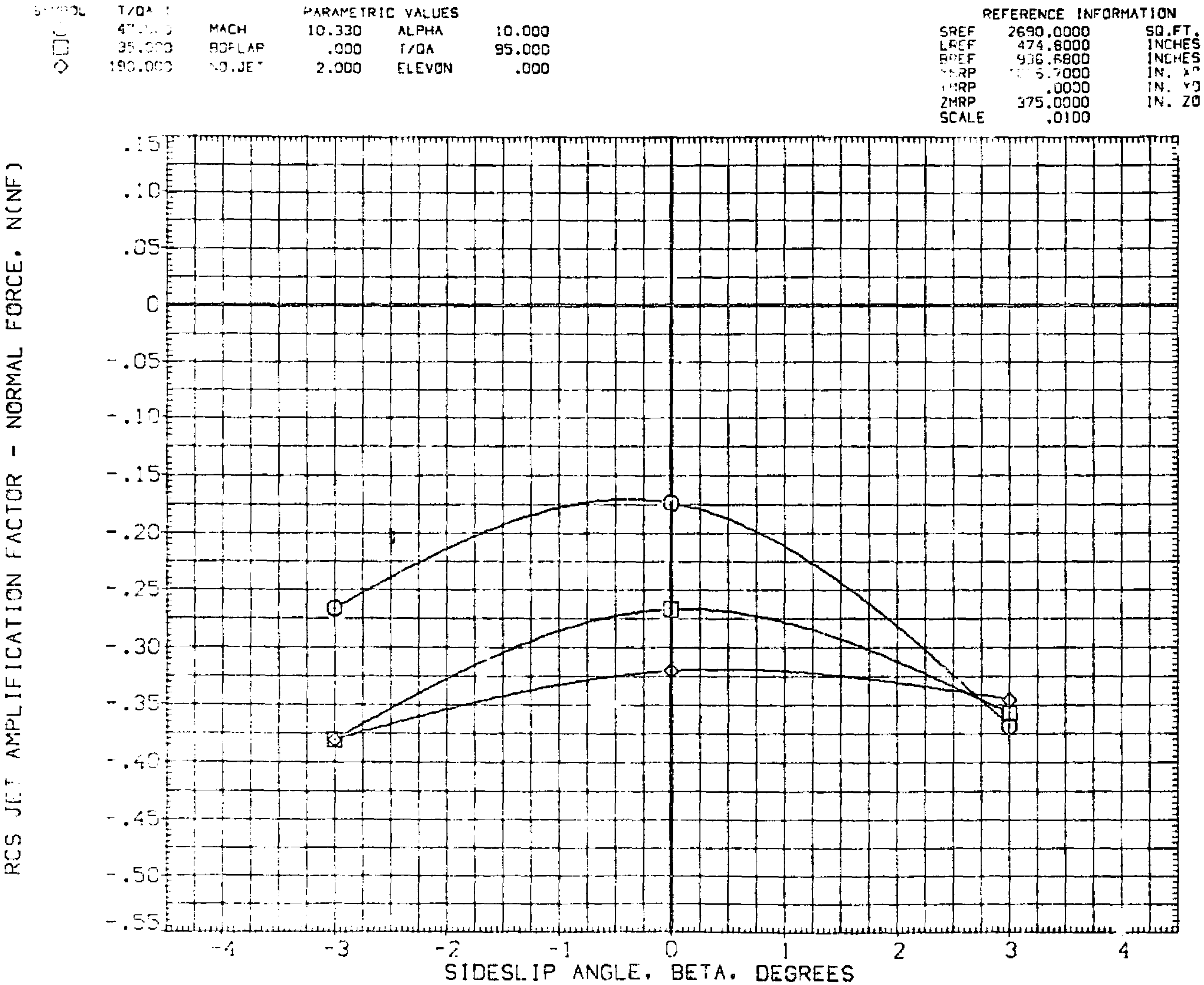

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

01N79N78 LARC CFHT 118 (MA-22) [CJA232]

SYMBOL	T/QA-I		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

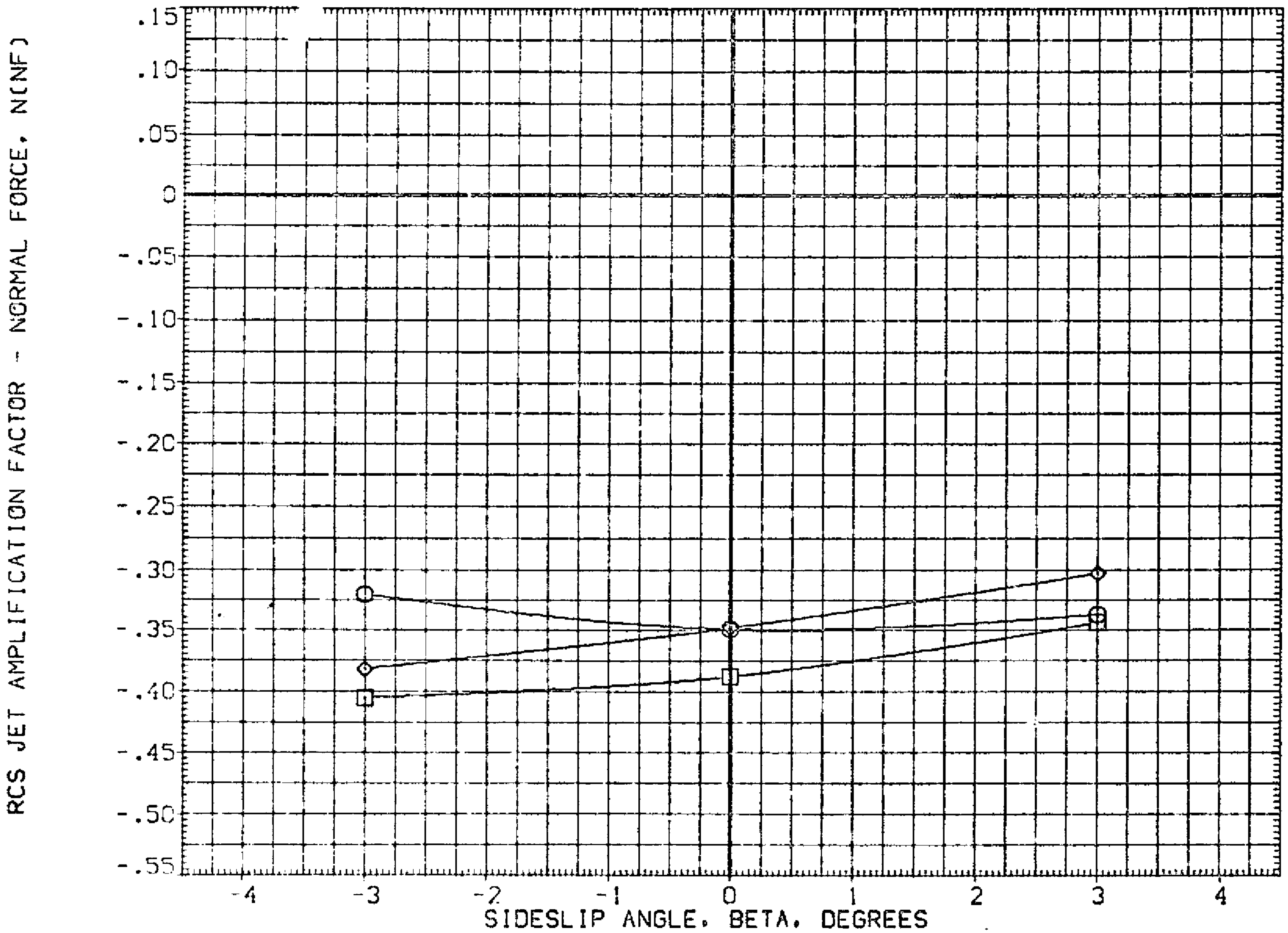

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	5.0000	IN. ZO
SCALE	.0100	

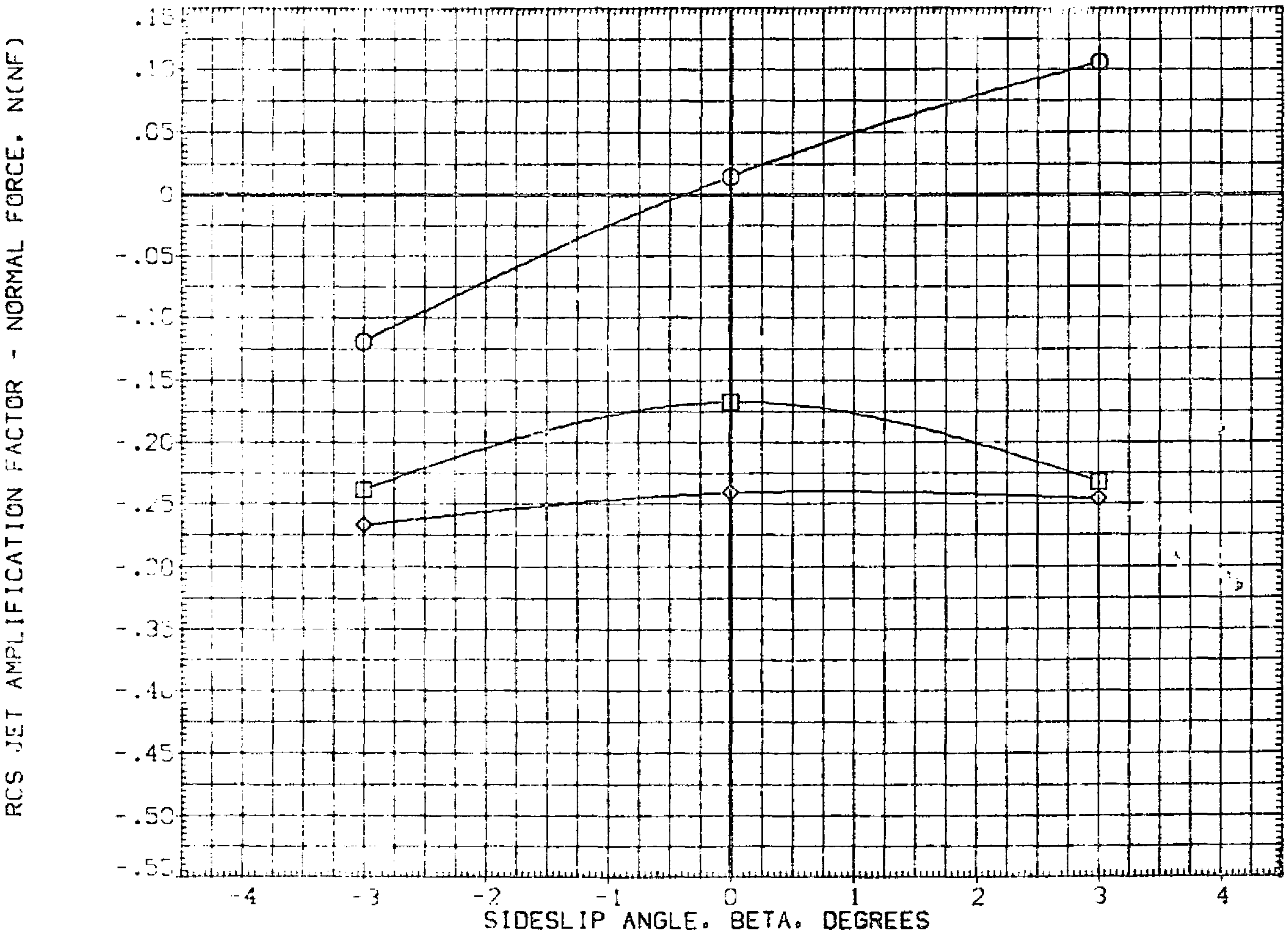

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

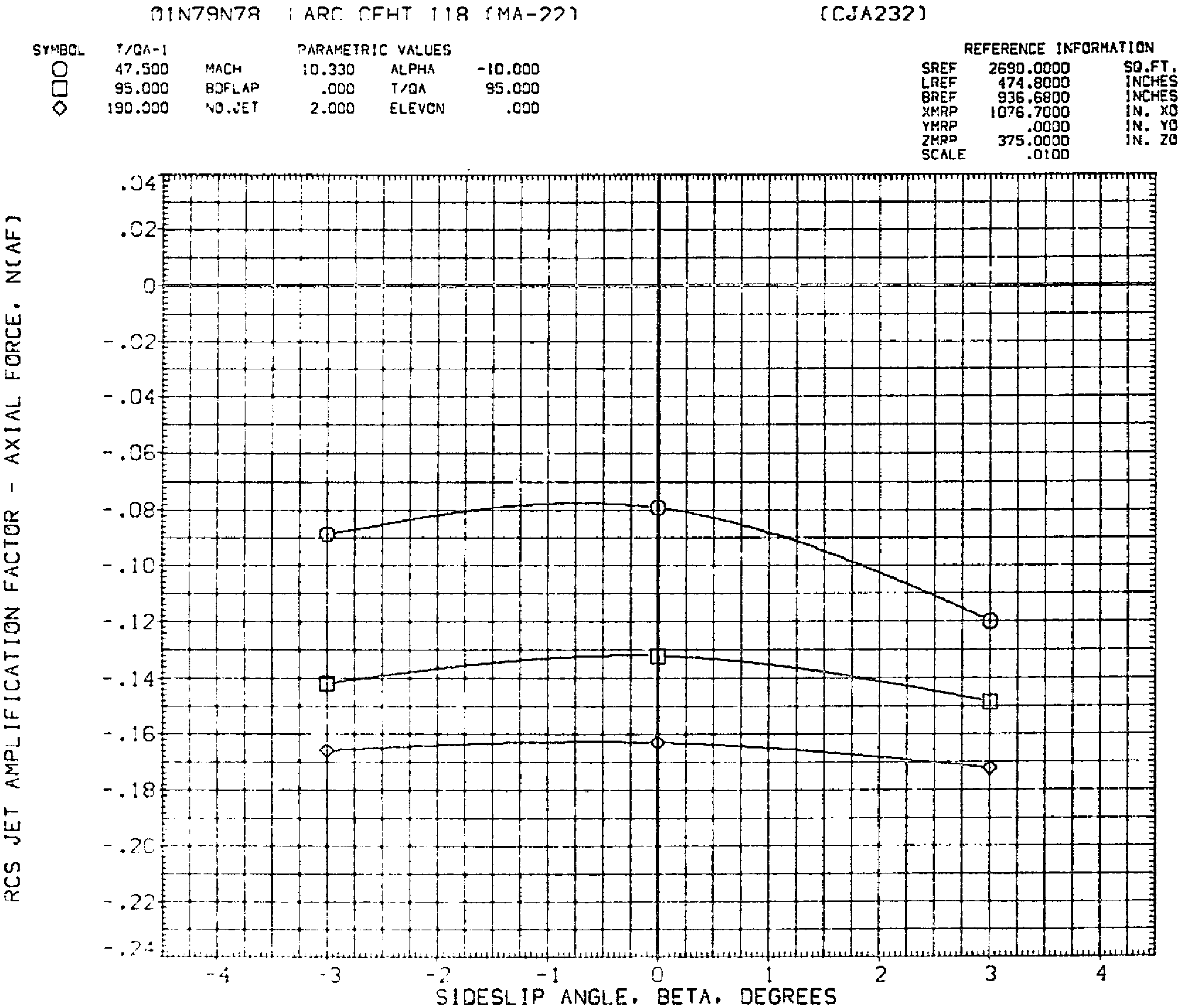

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

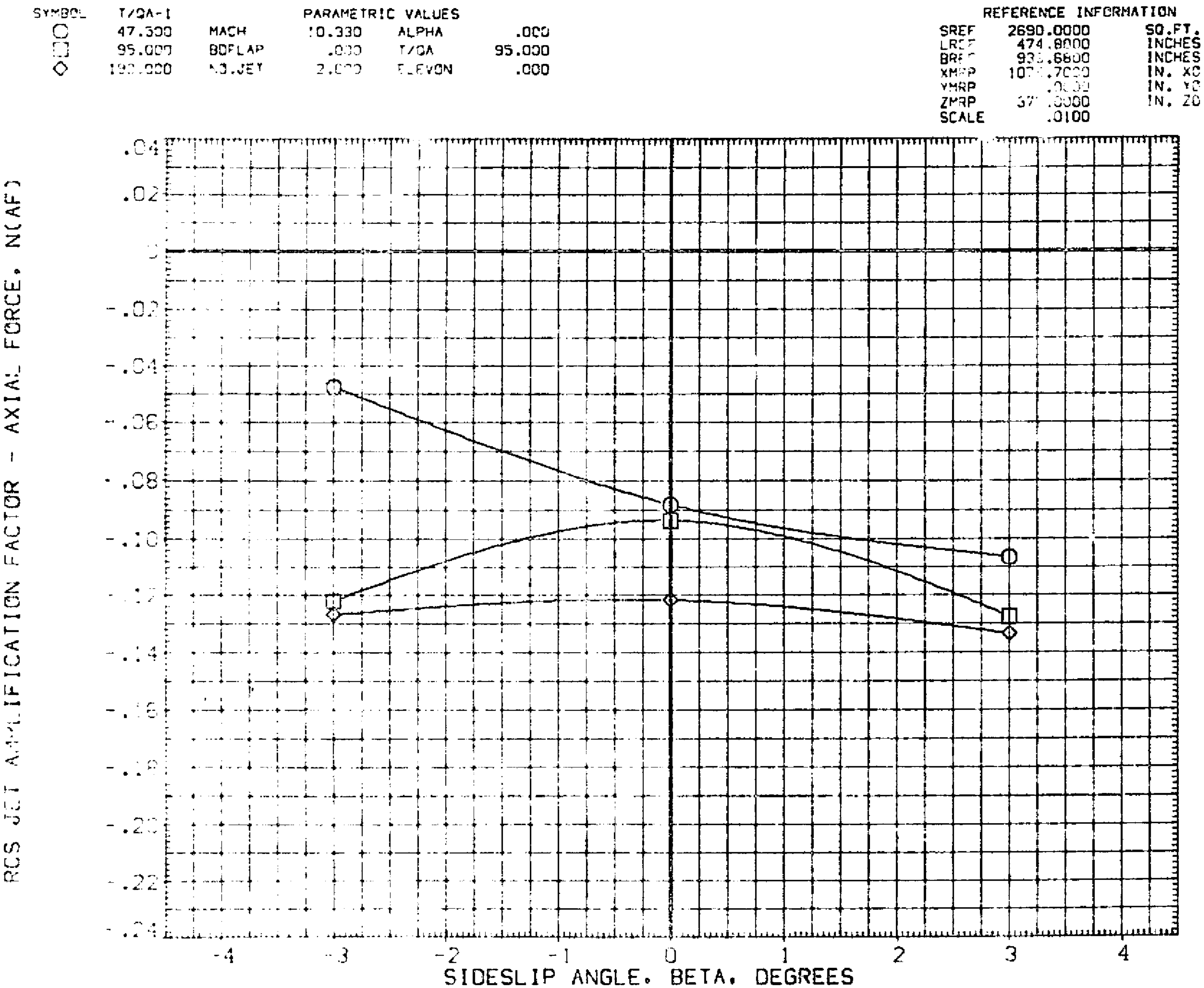

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

01N79N78 LARC CFHT 118 (MA-22) (CJA232)

SYMBOL	T/OA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

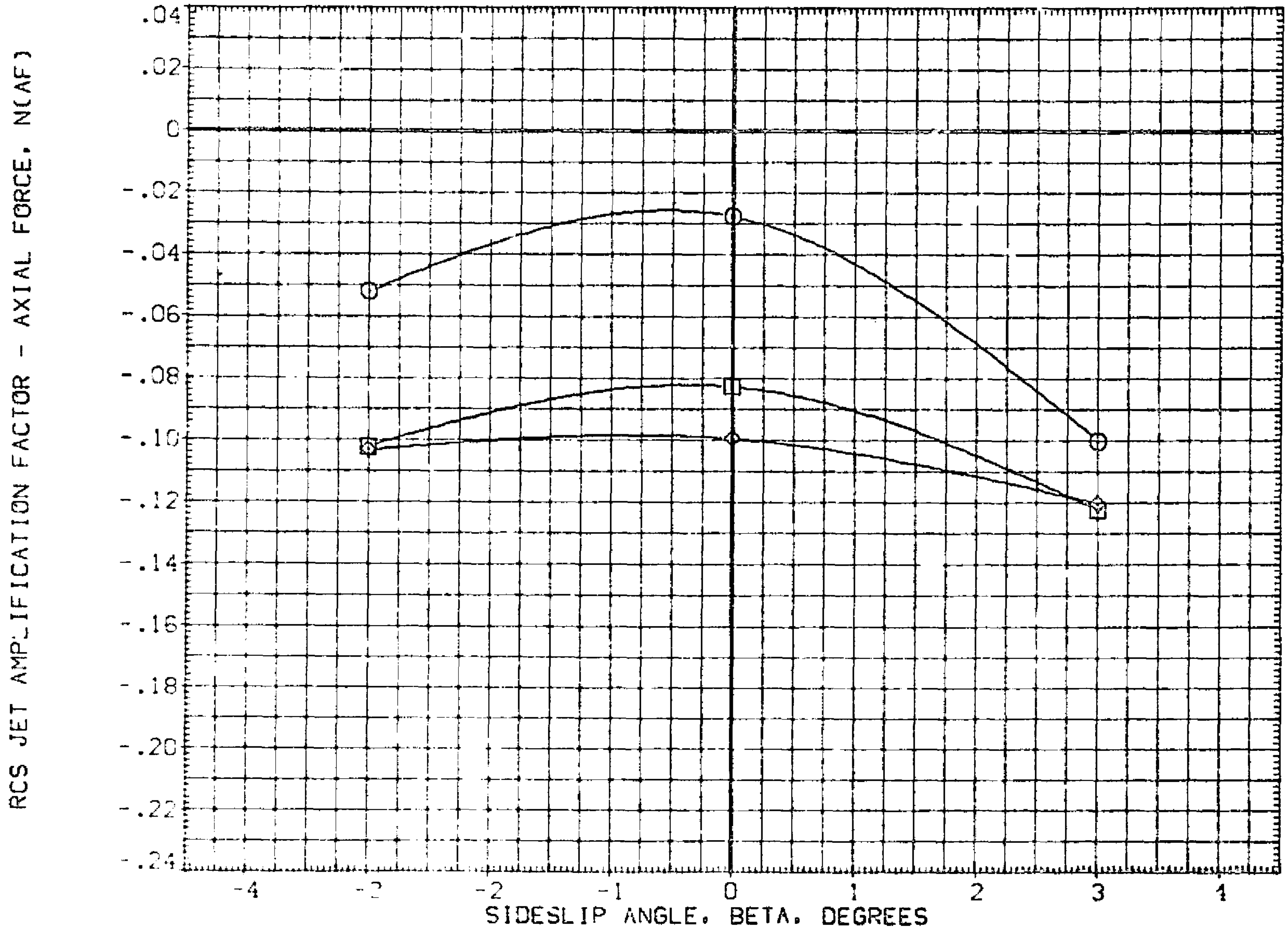

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

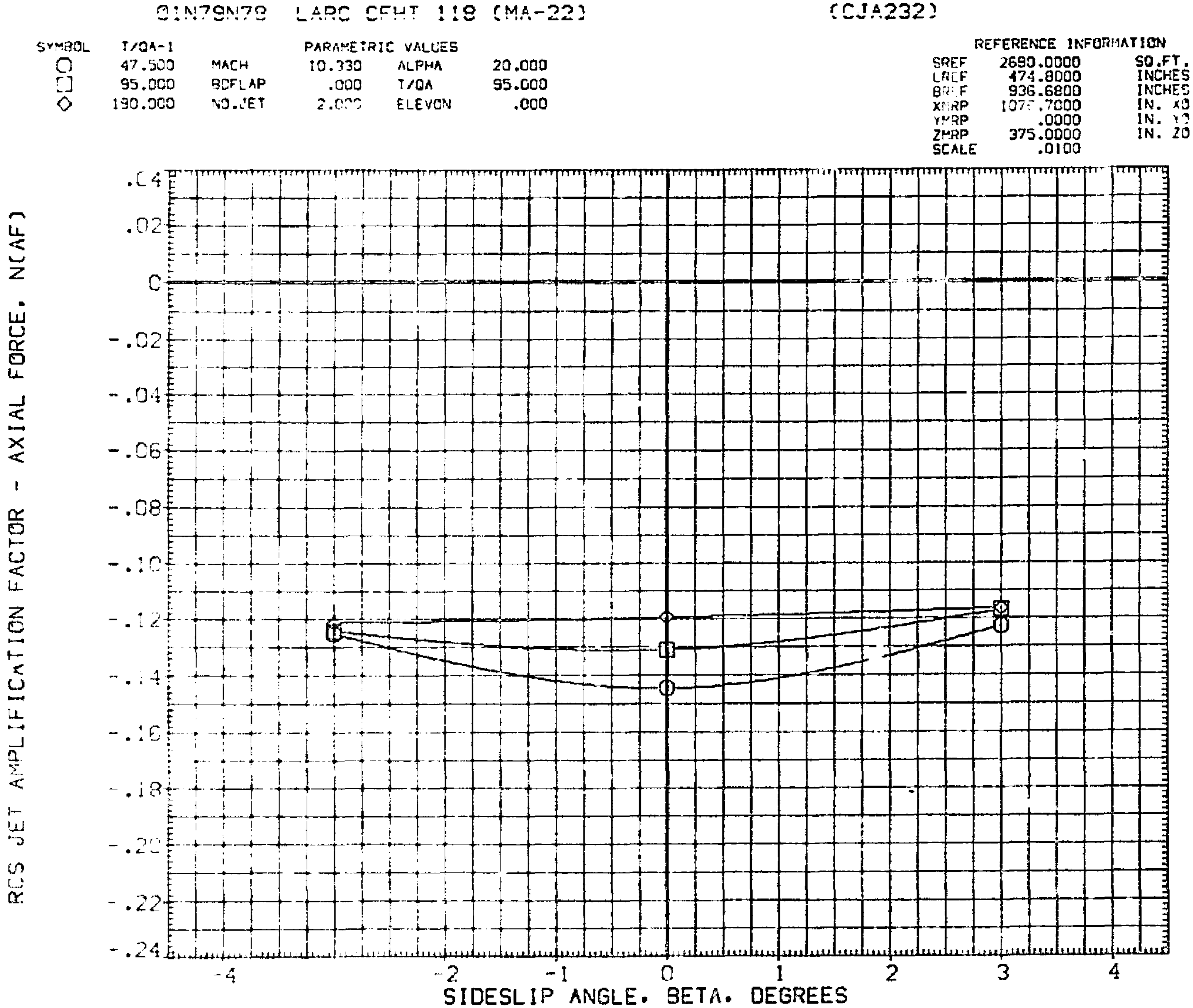

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

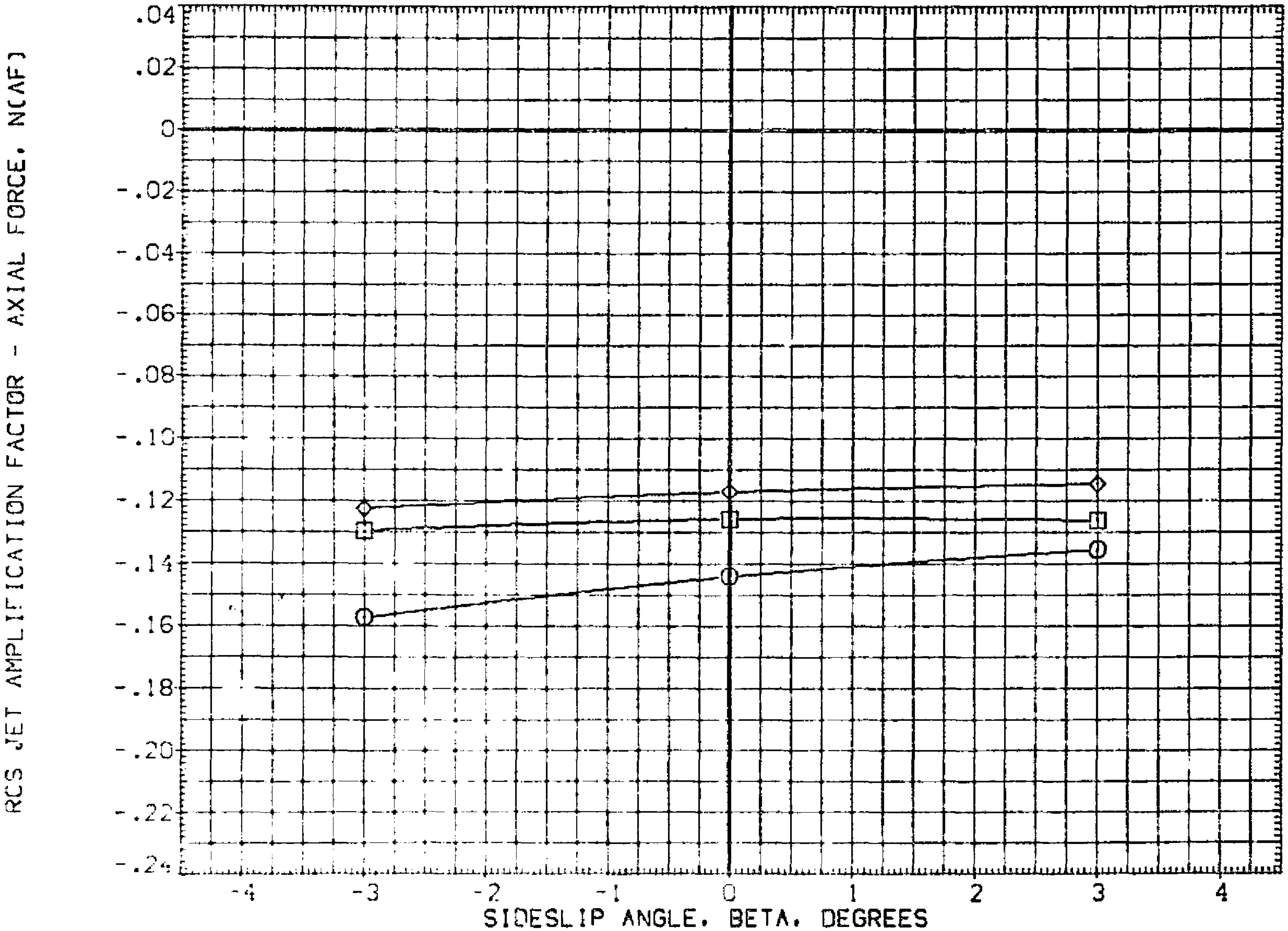

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

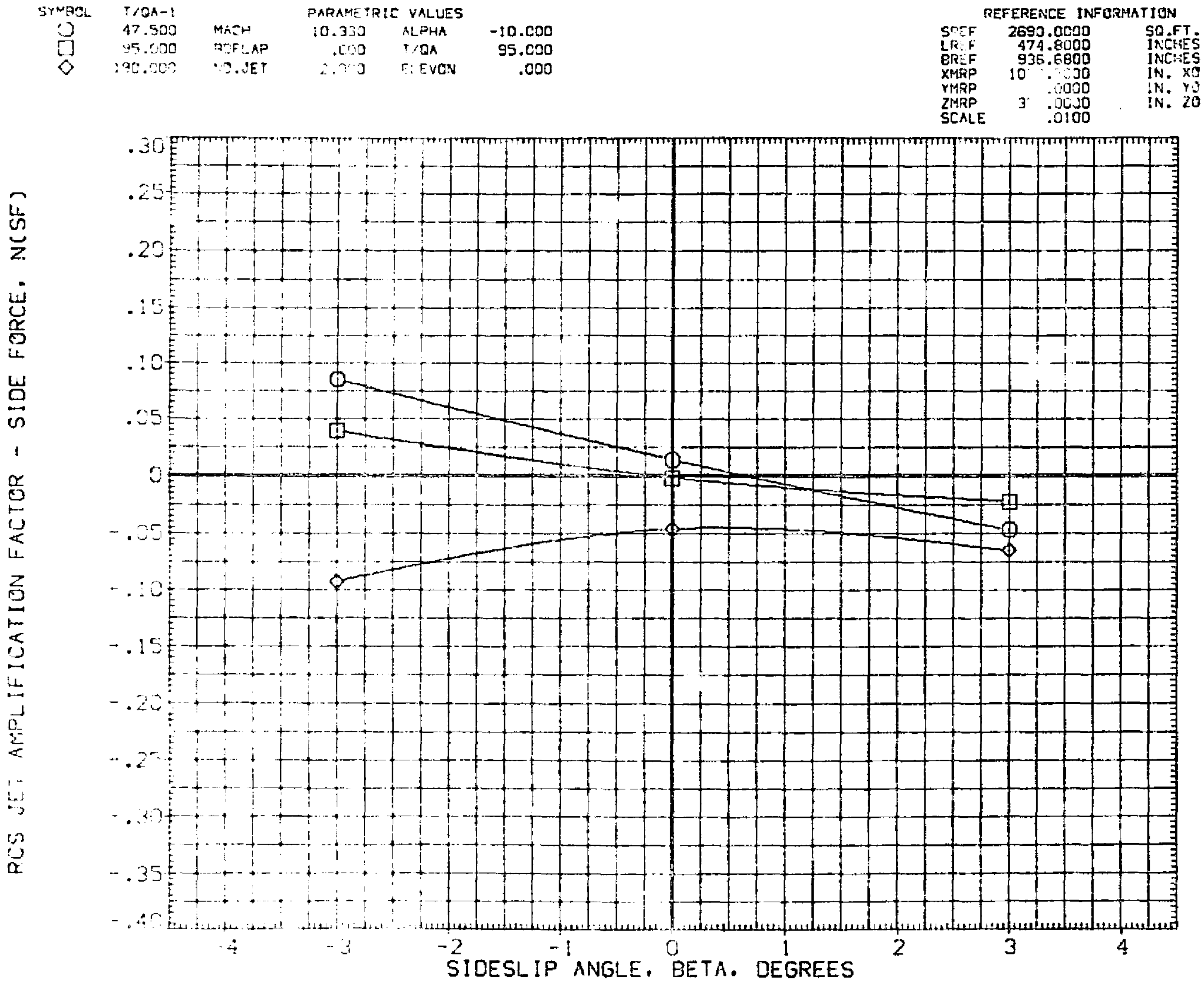

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

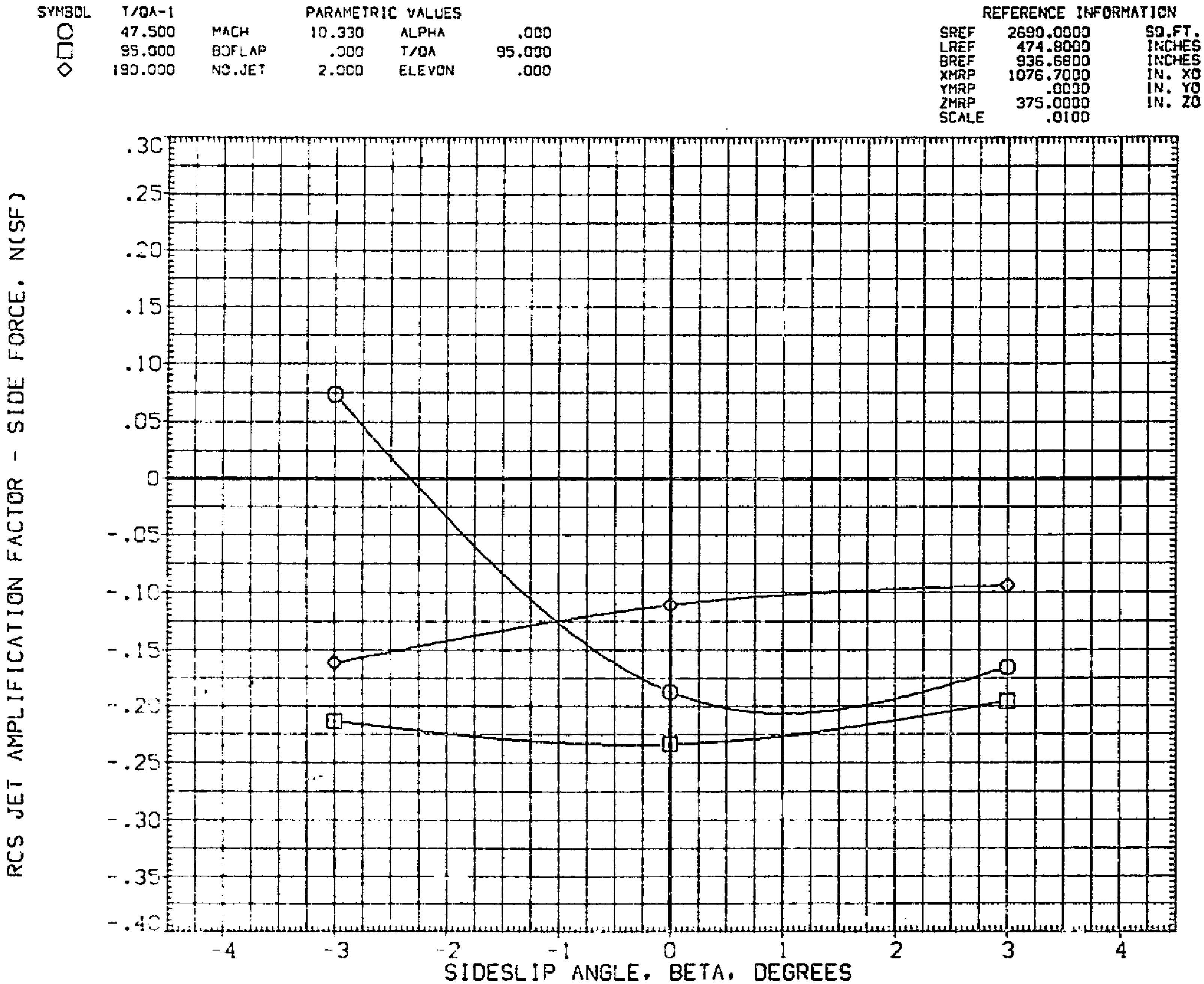

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

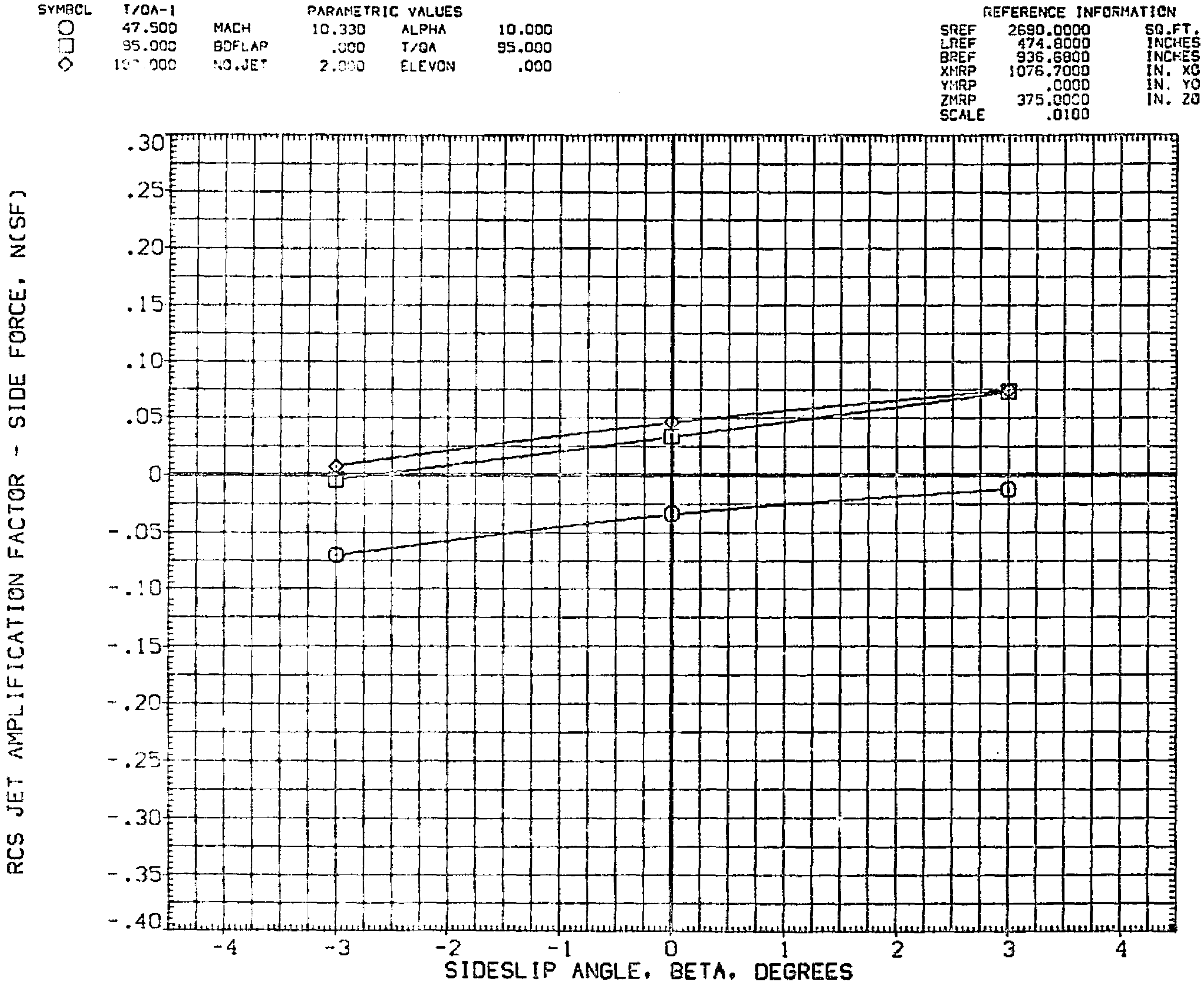

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

01N79N78 LARC CFHT 118 (MA-22) (CJA232)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

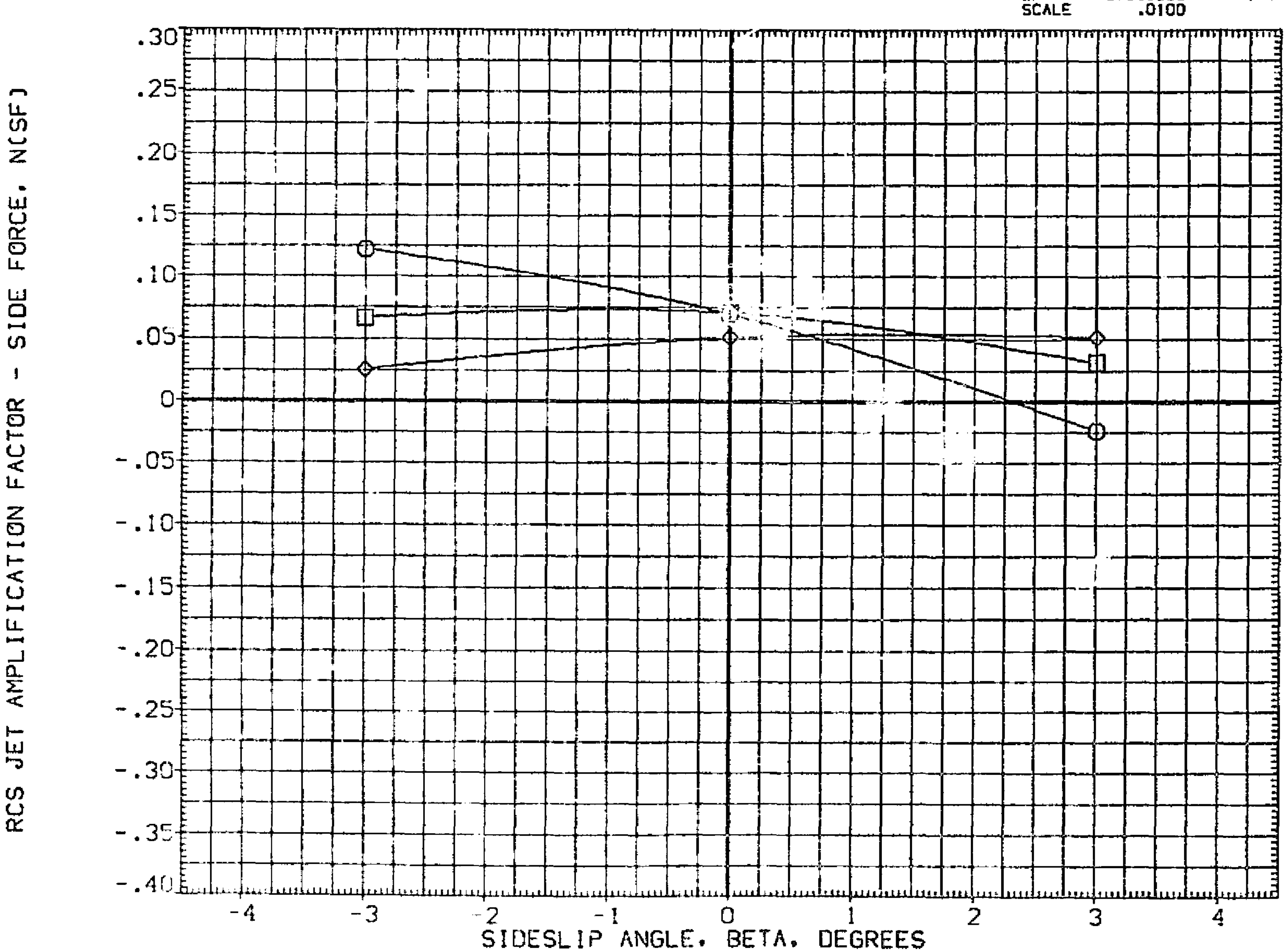

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

01N79N78 LARC CFHT 118 (MA-22) (CJA232)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	190.000	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

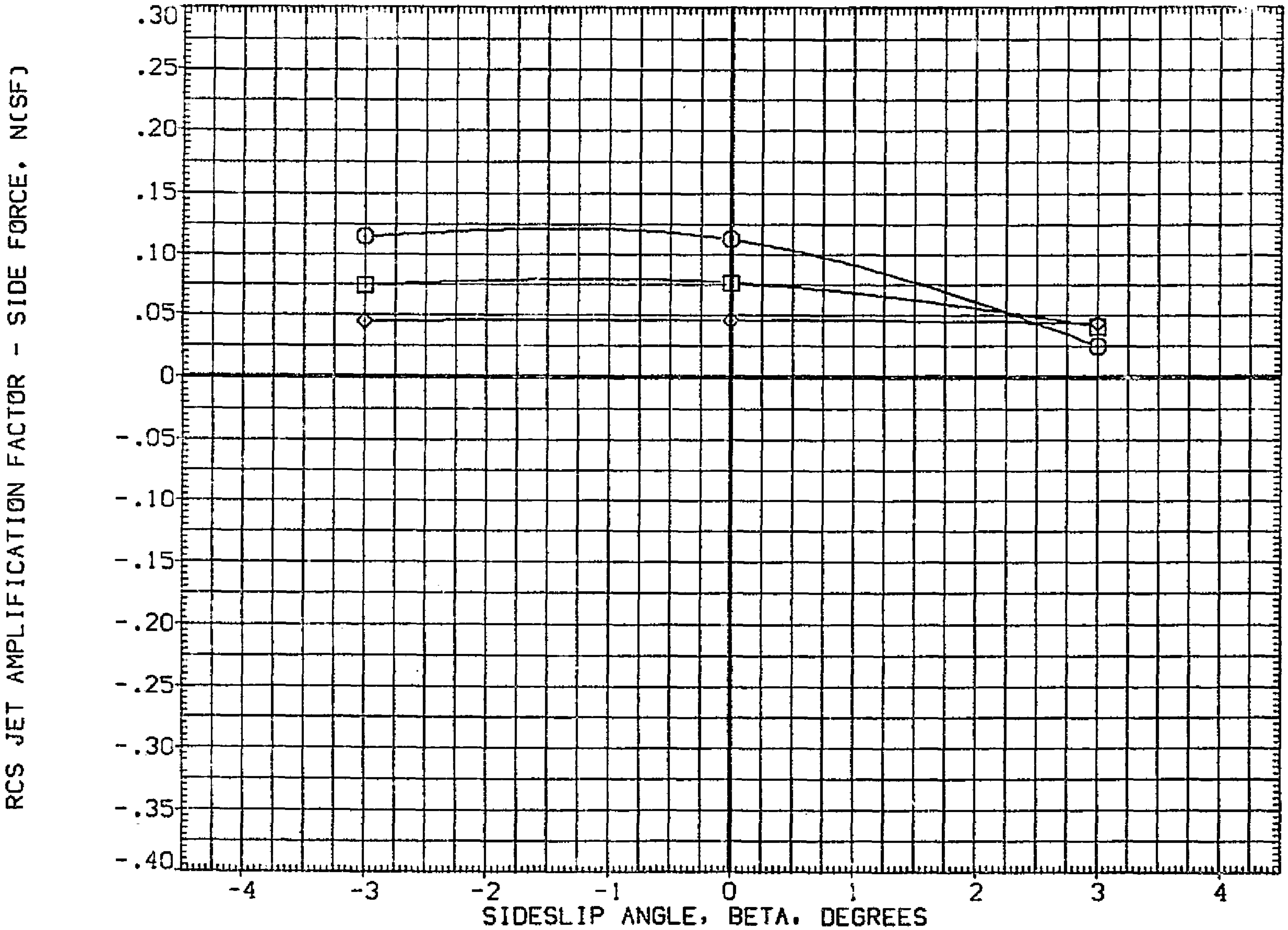

FIGURE 90. AMPLIFICATION FACTOR IN YAW, N79N78 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

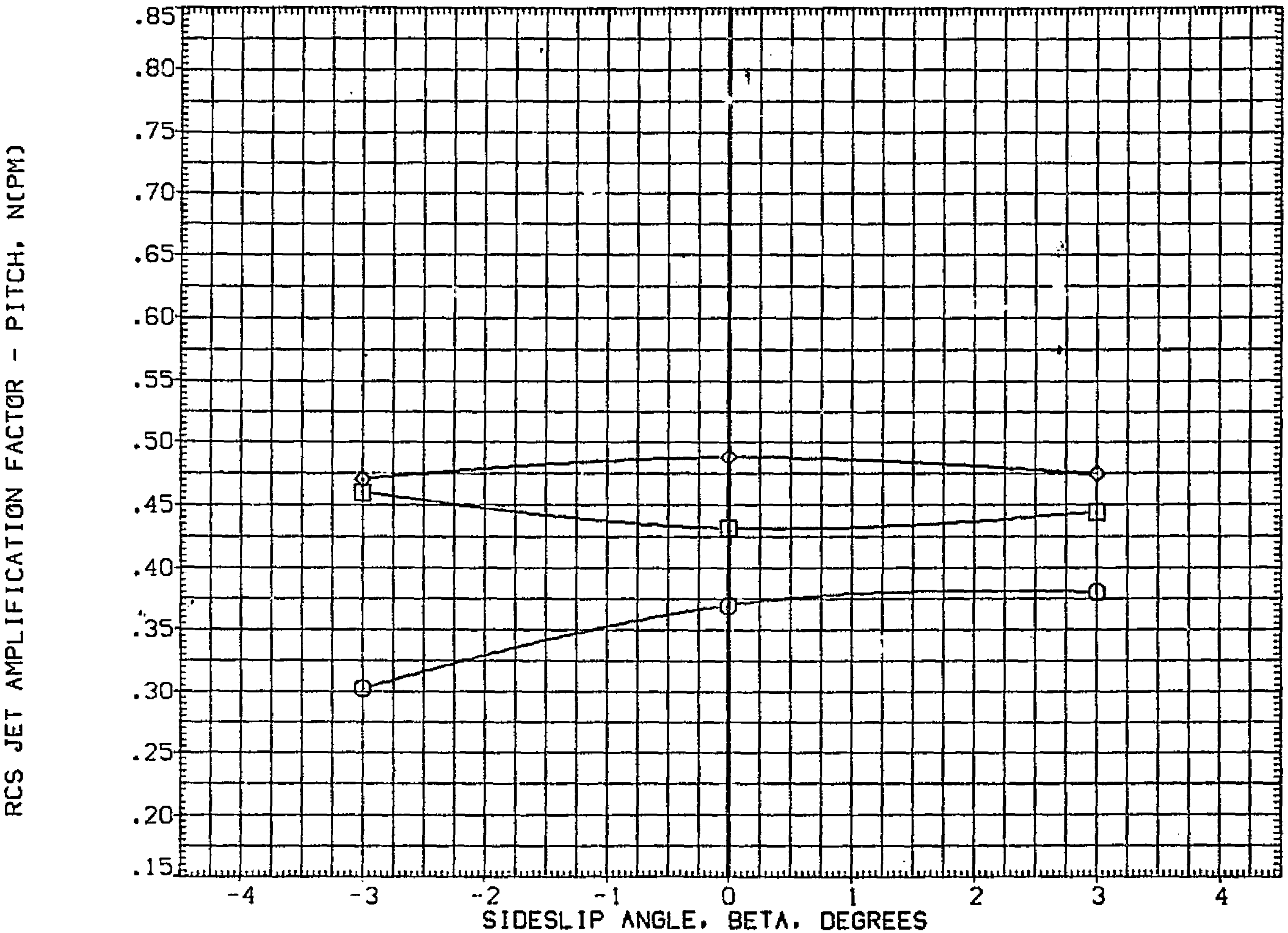

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

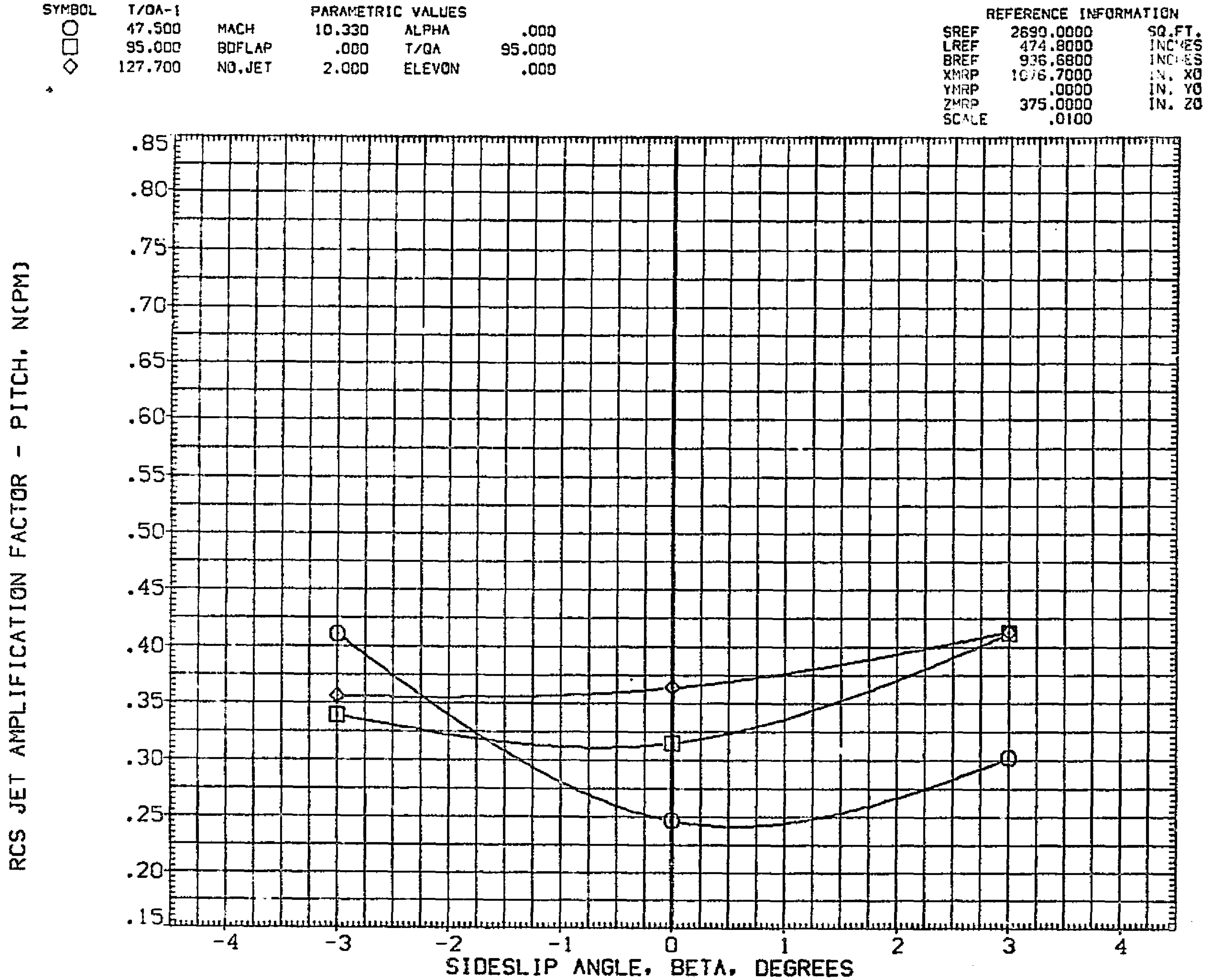

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

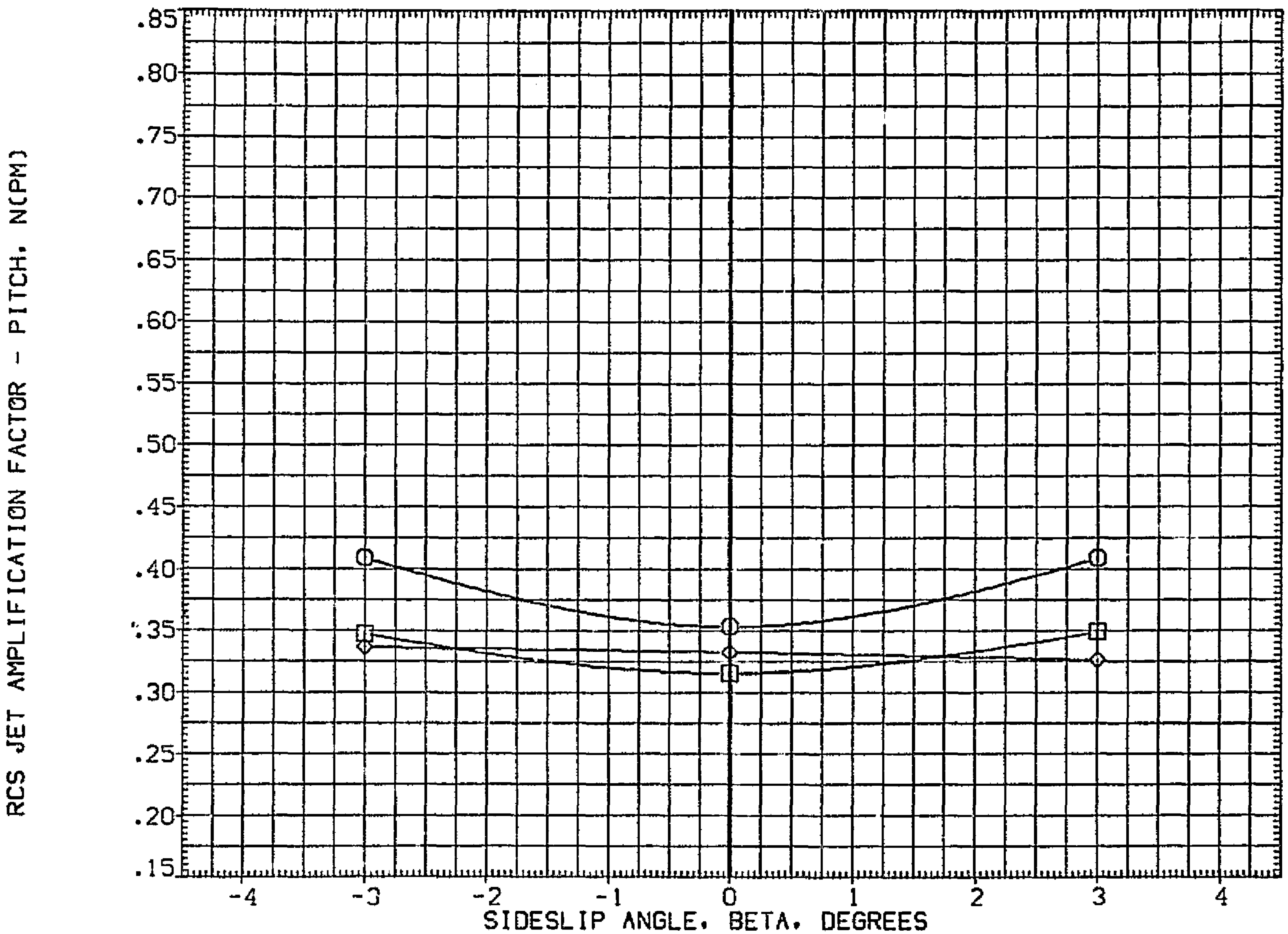

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

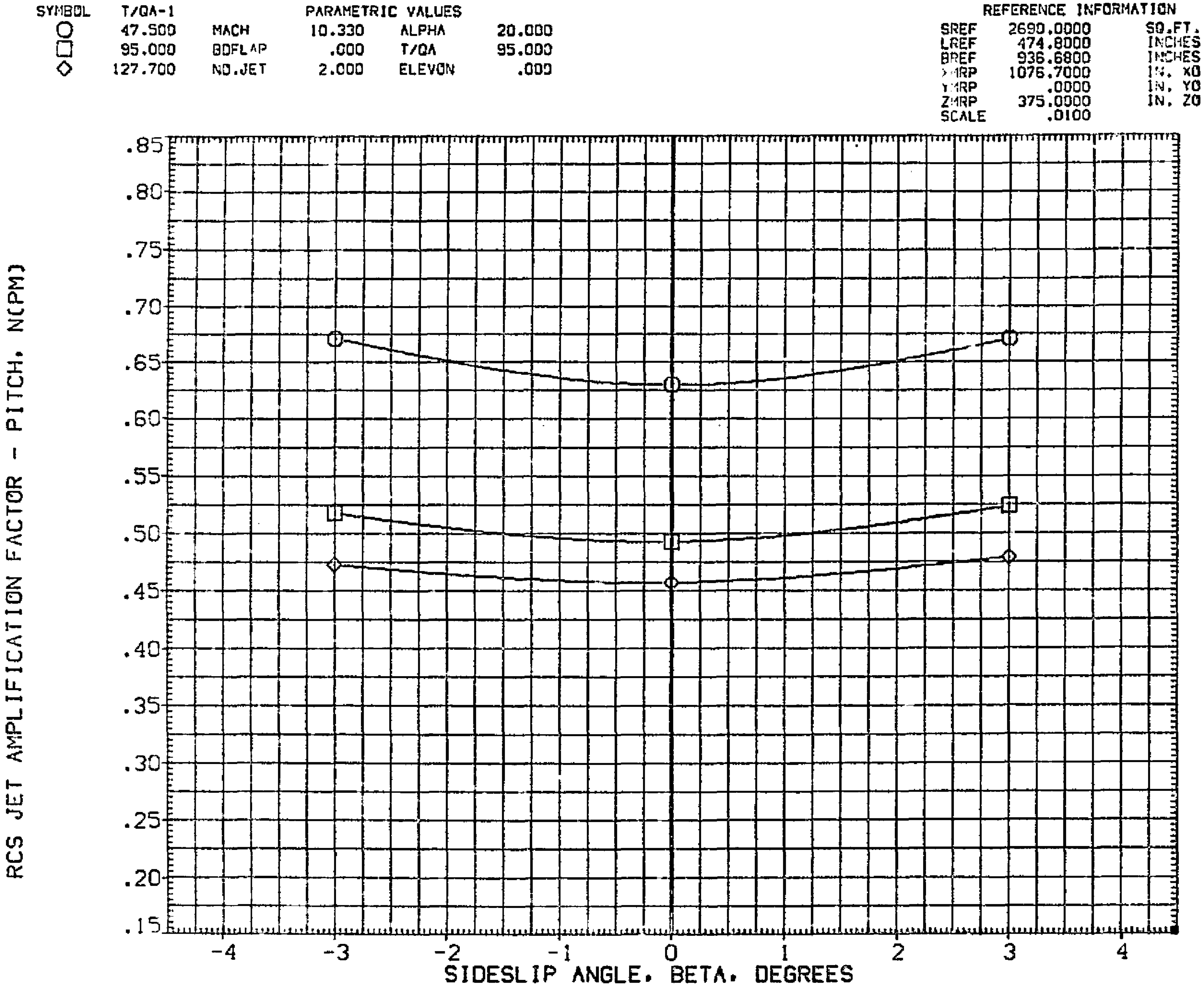

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

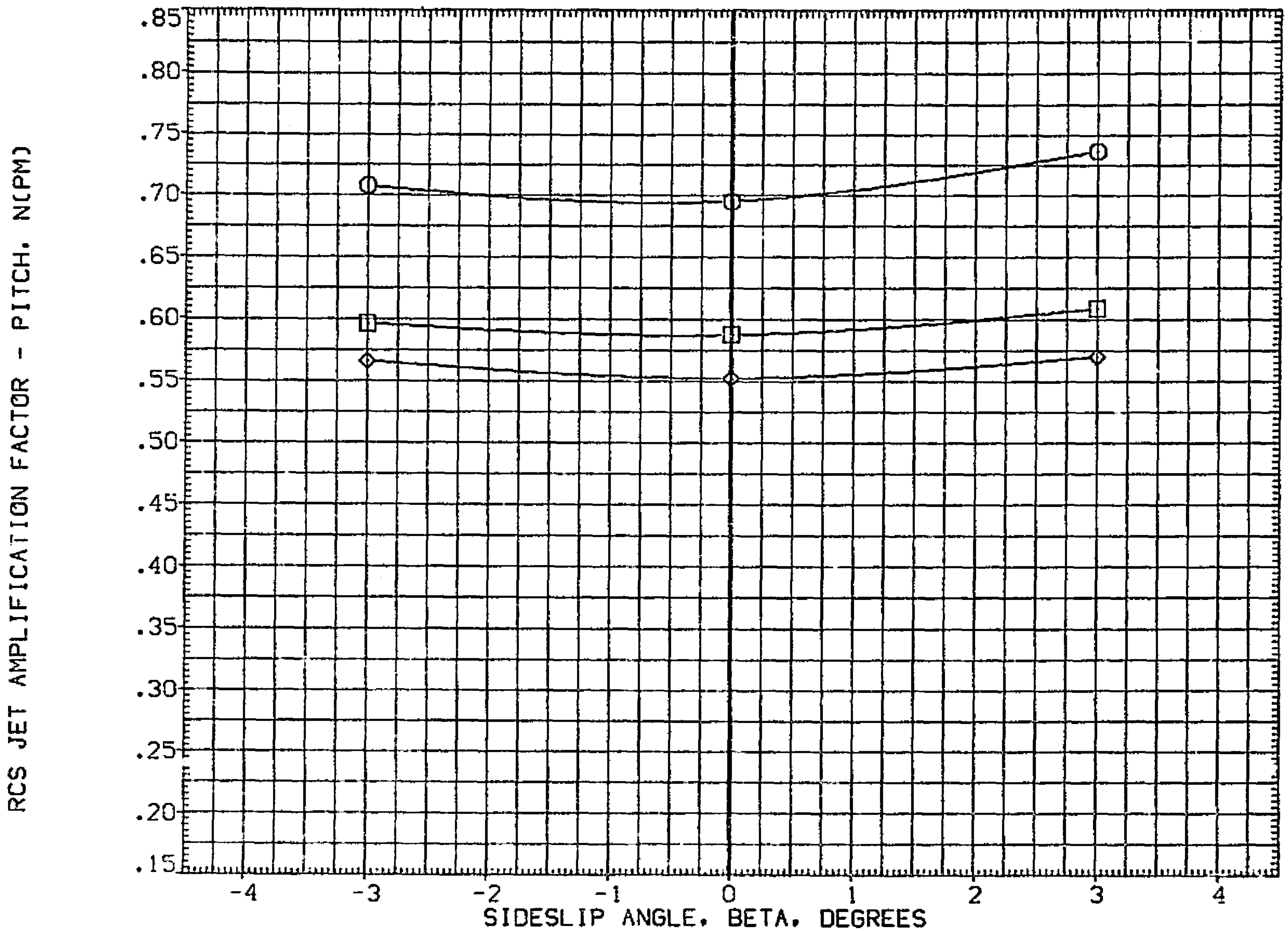

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

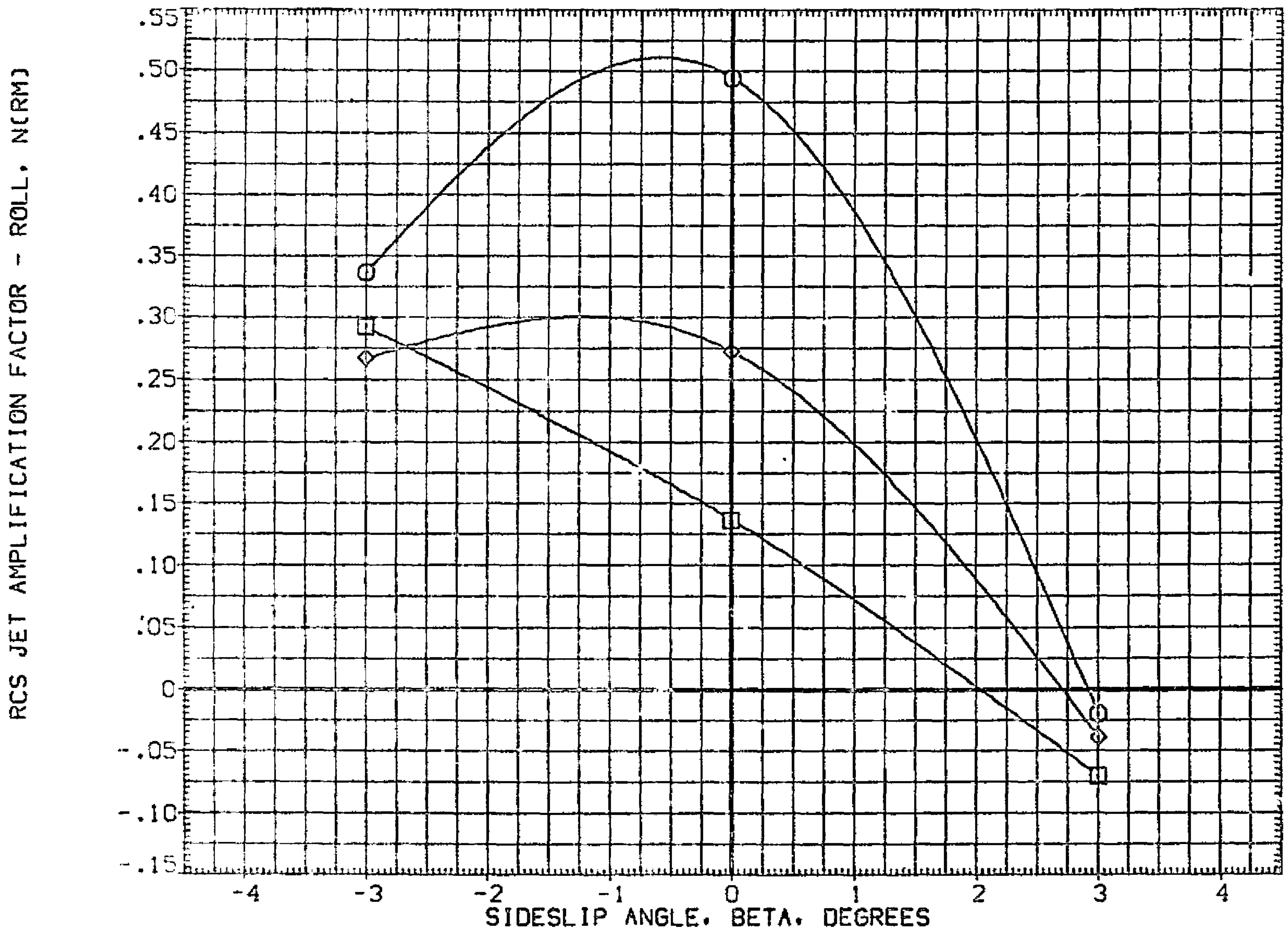

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

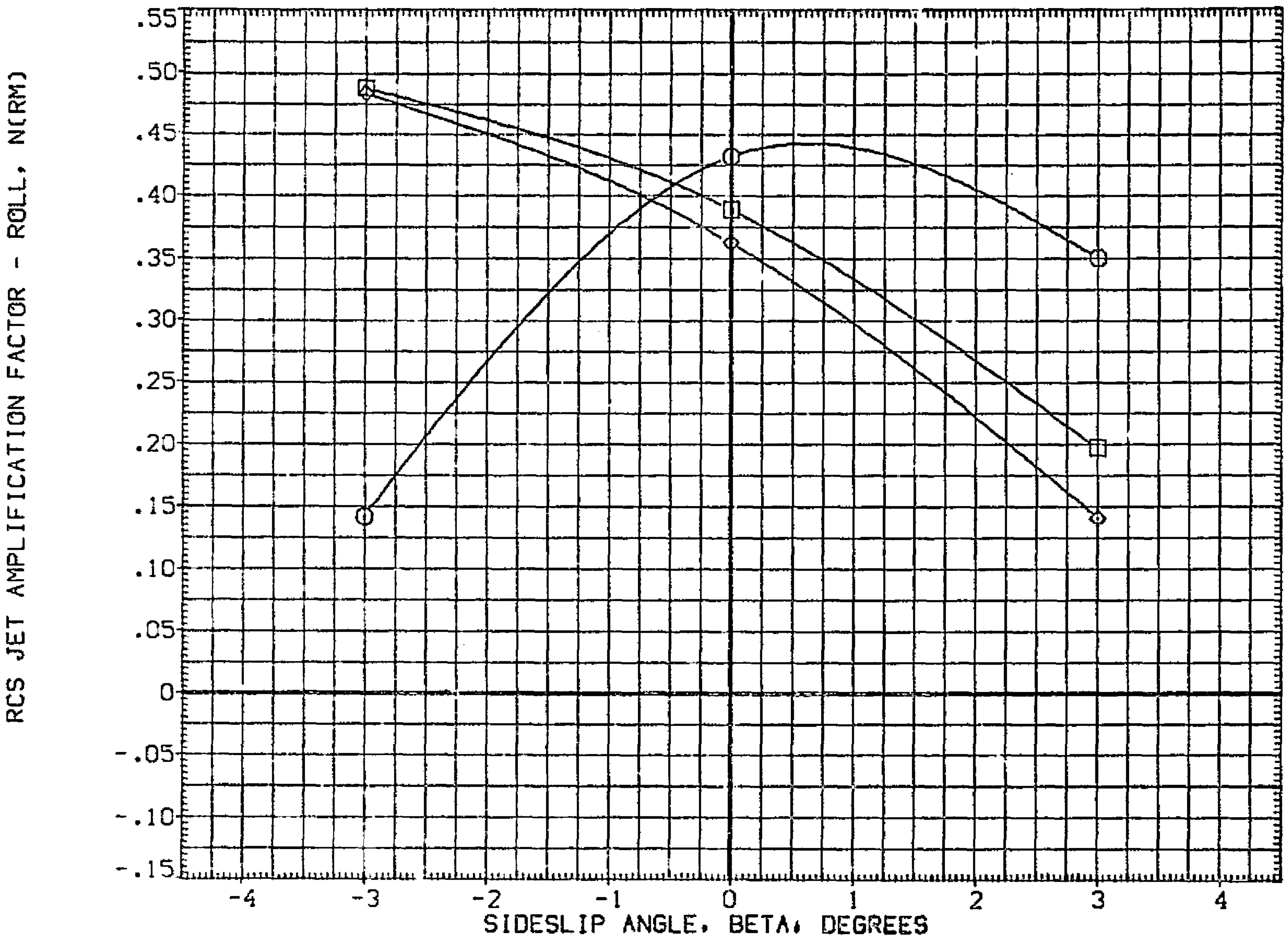

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	[illegible].8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

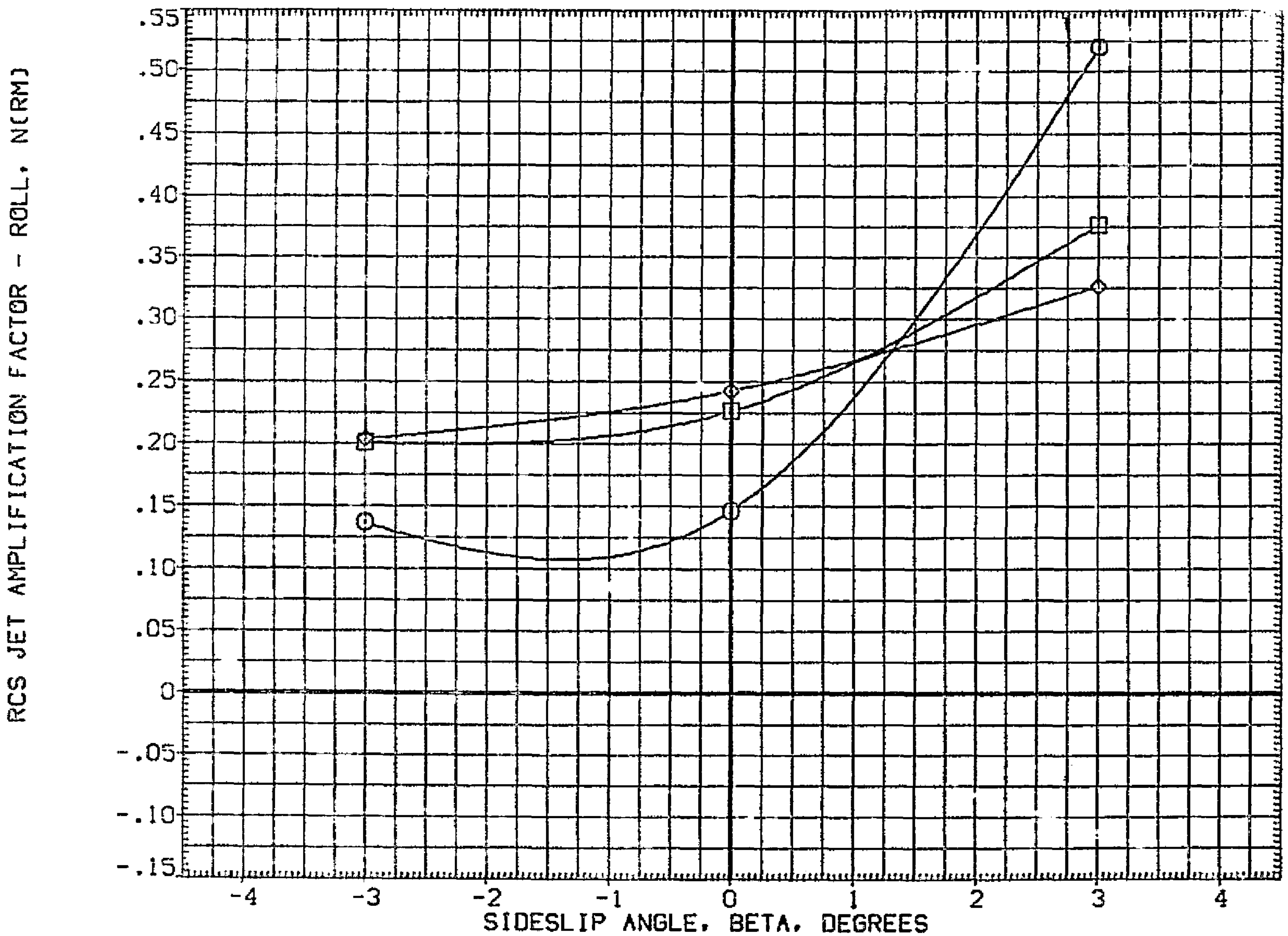

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

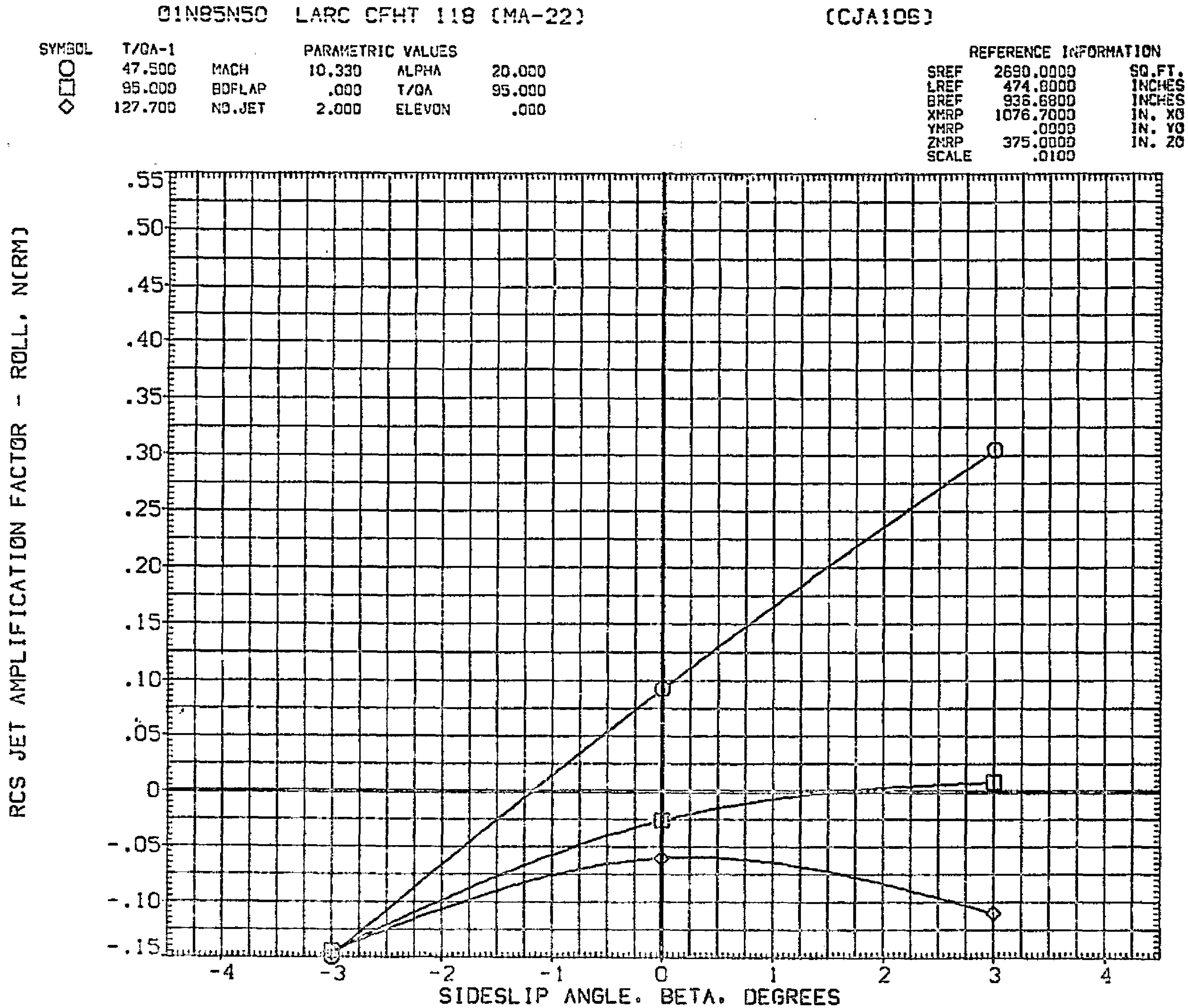

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.0000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

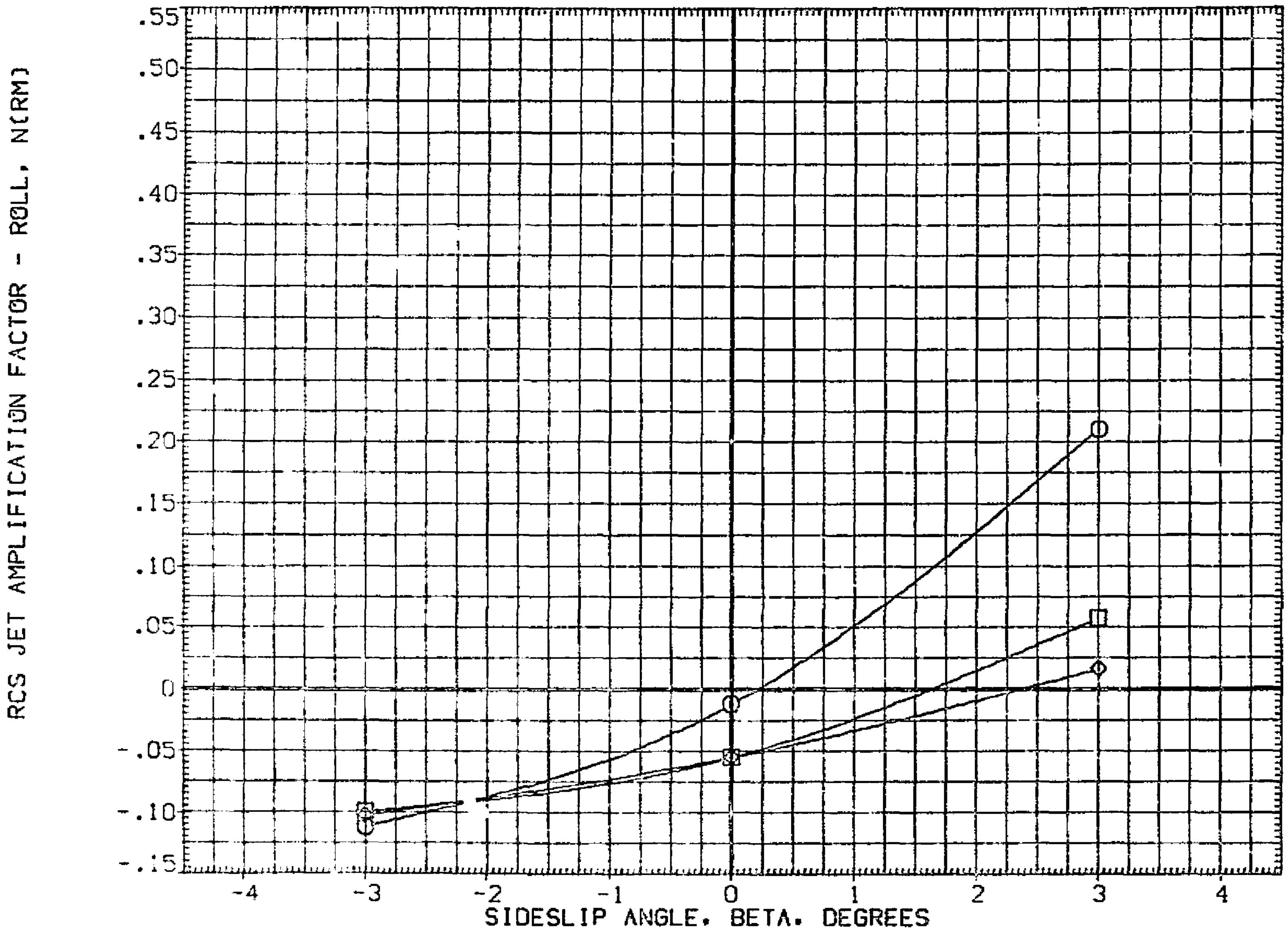

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

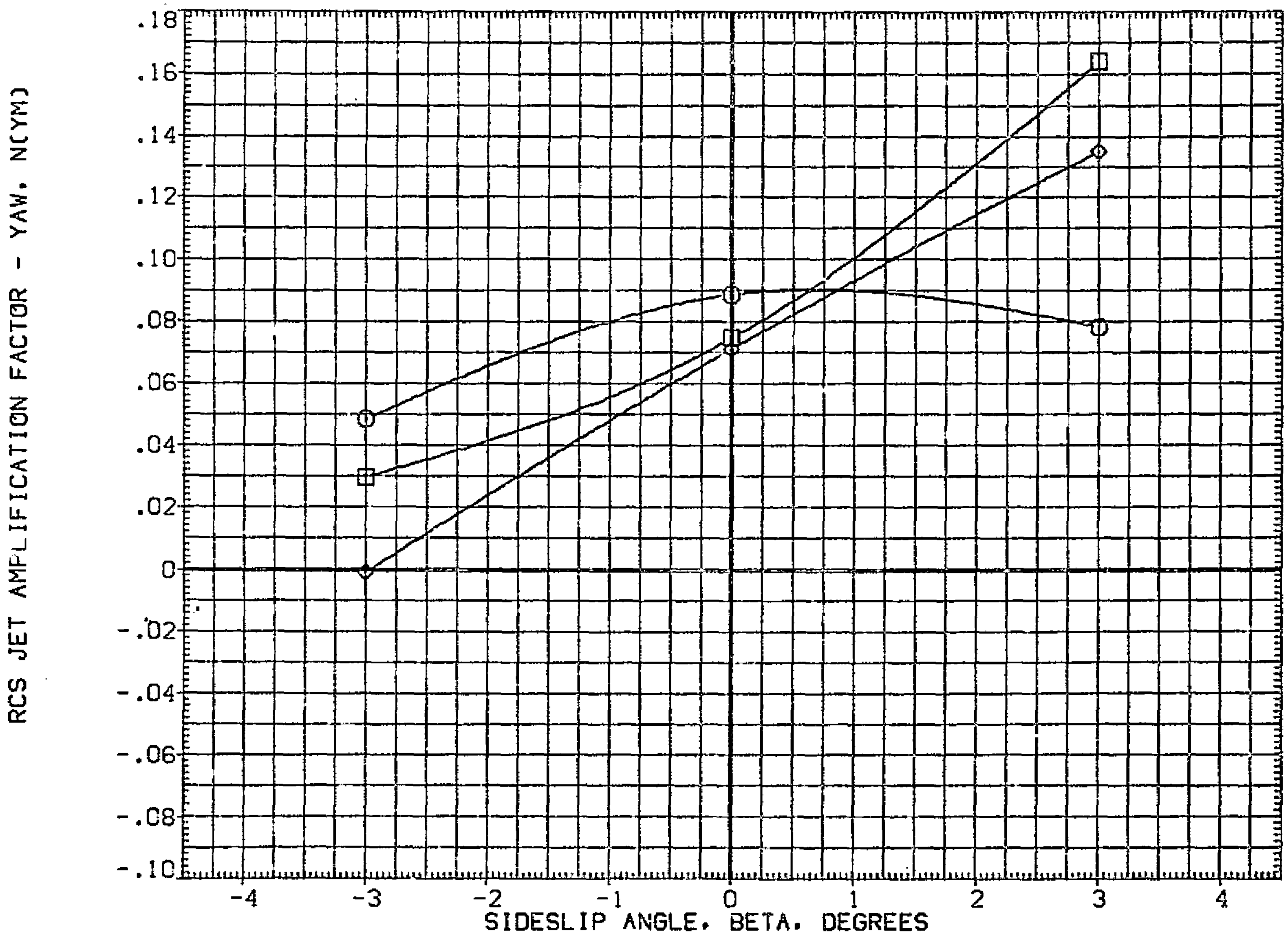

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

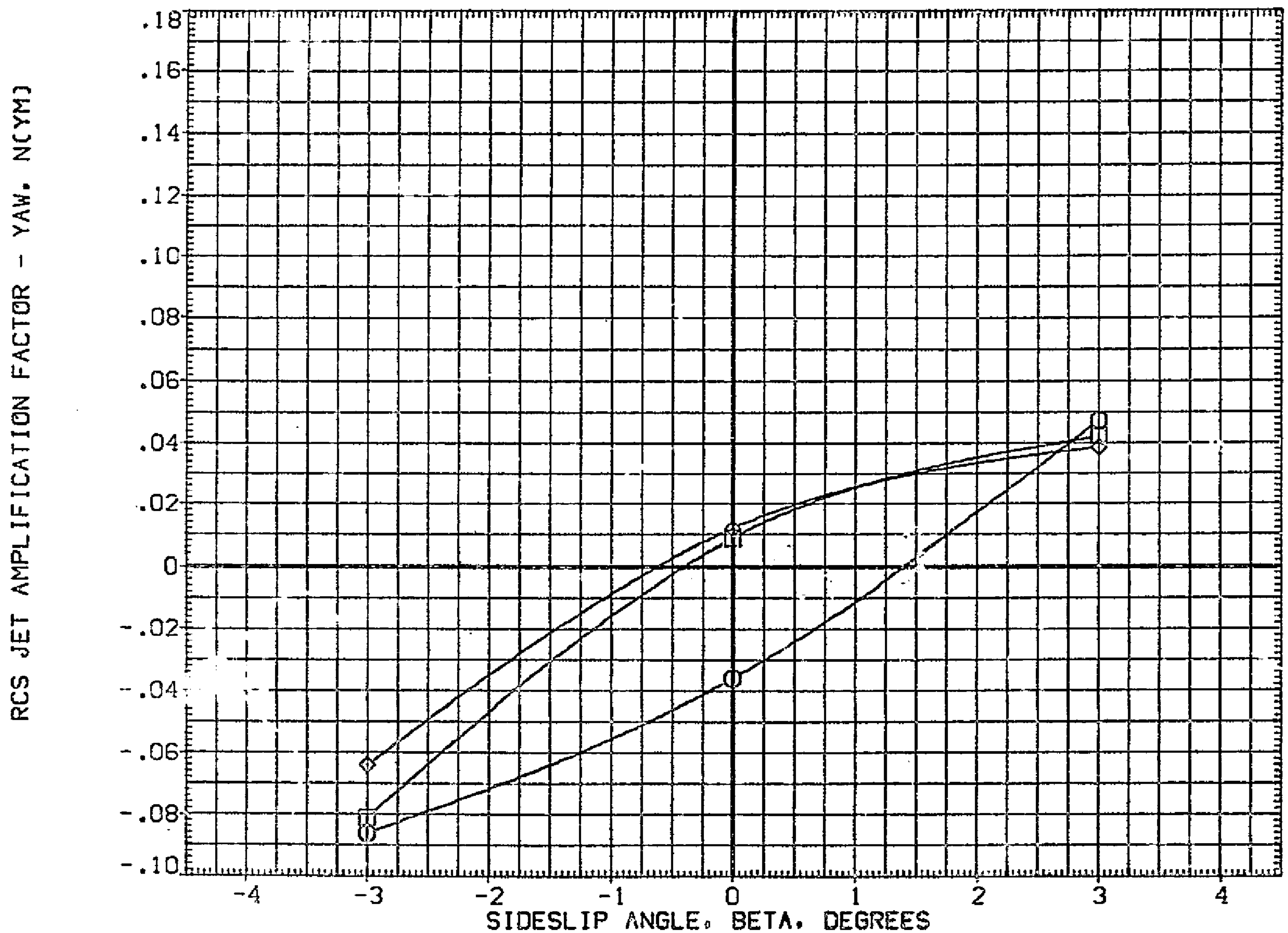

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

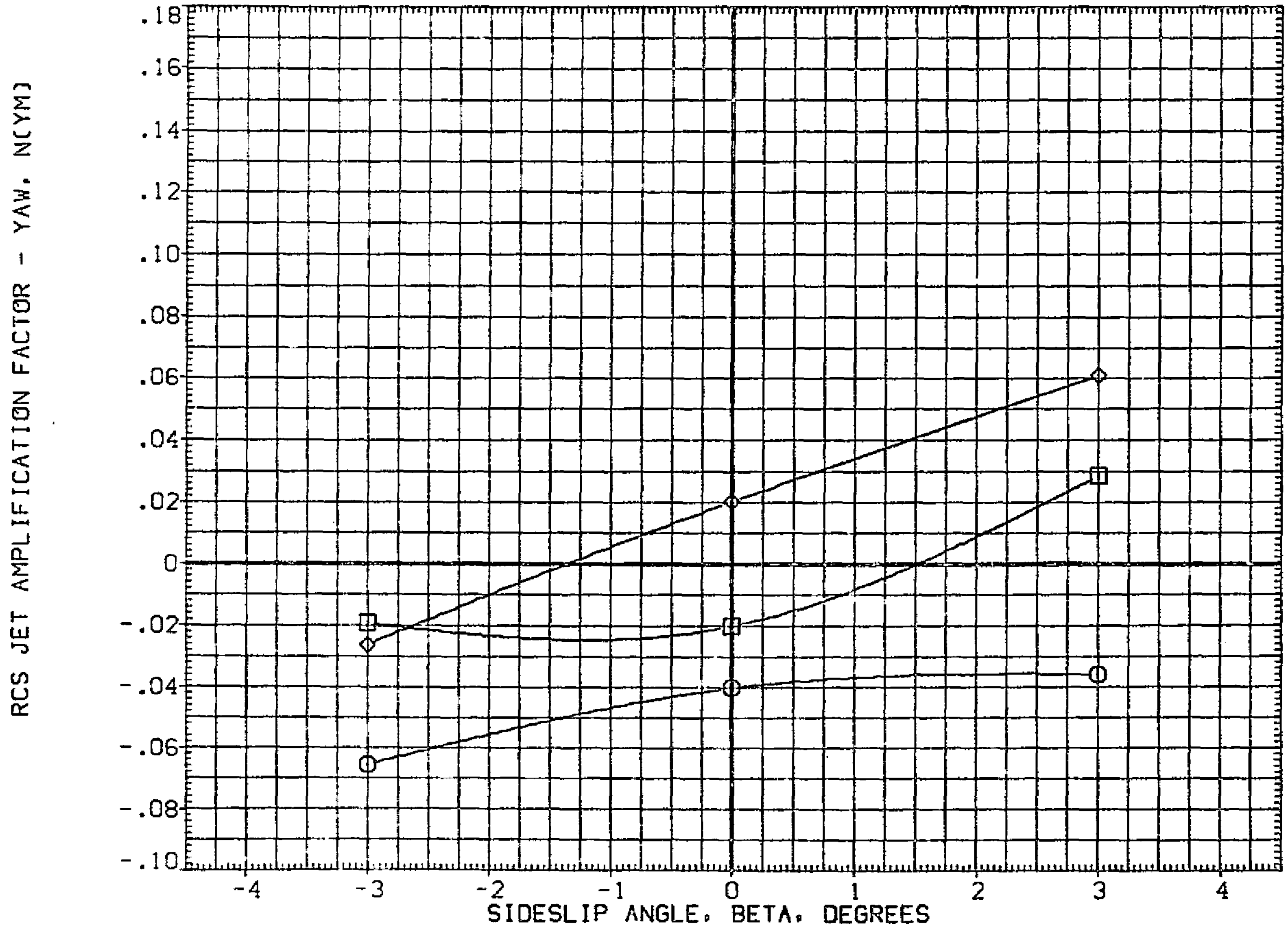

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

SYMBOL	T/QA-I		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

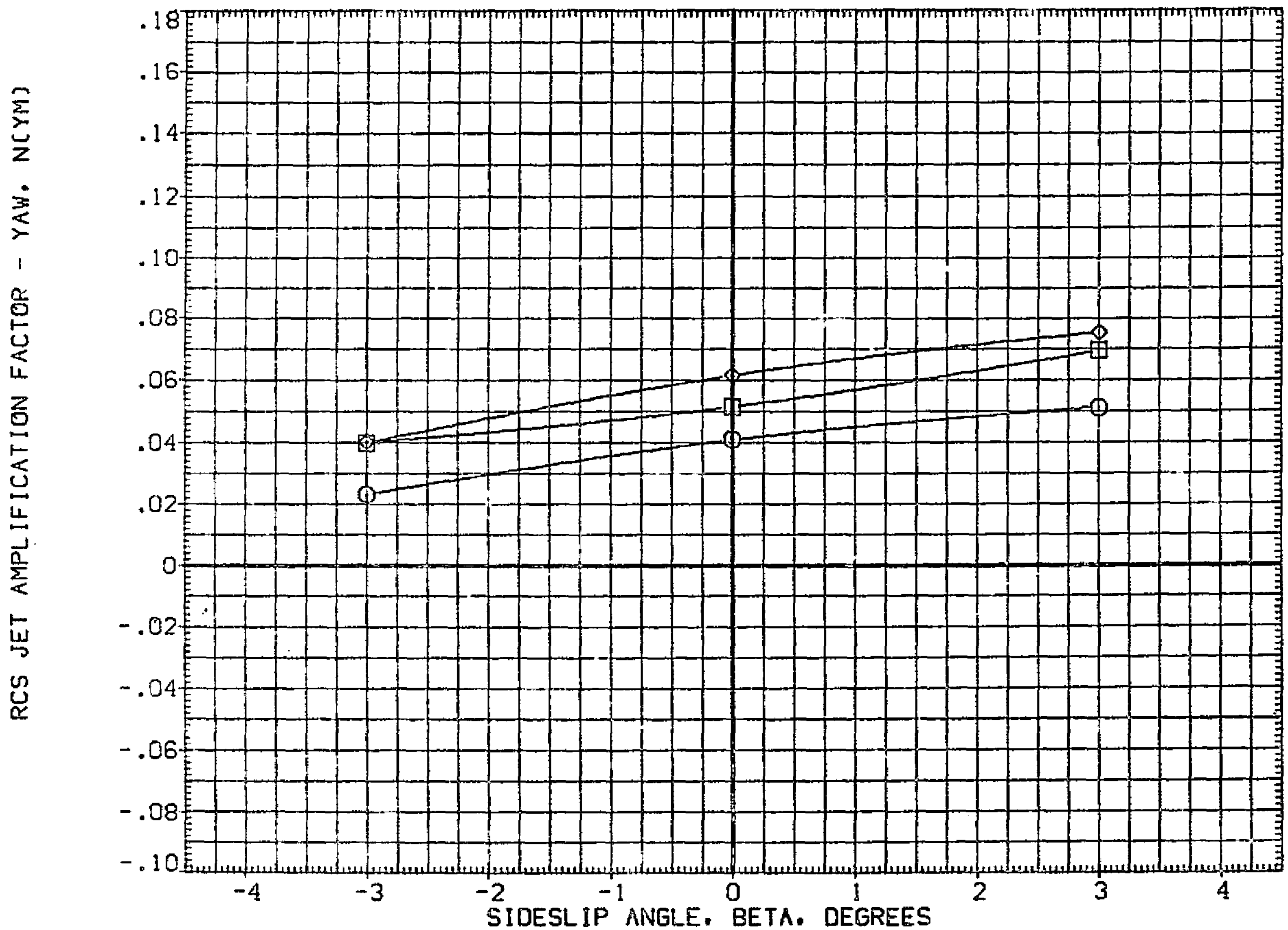

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

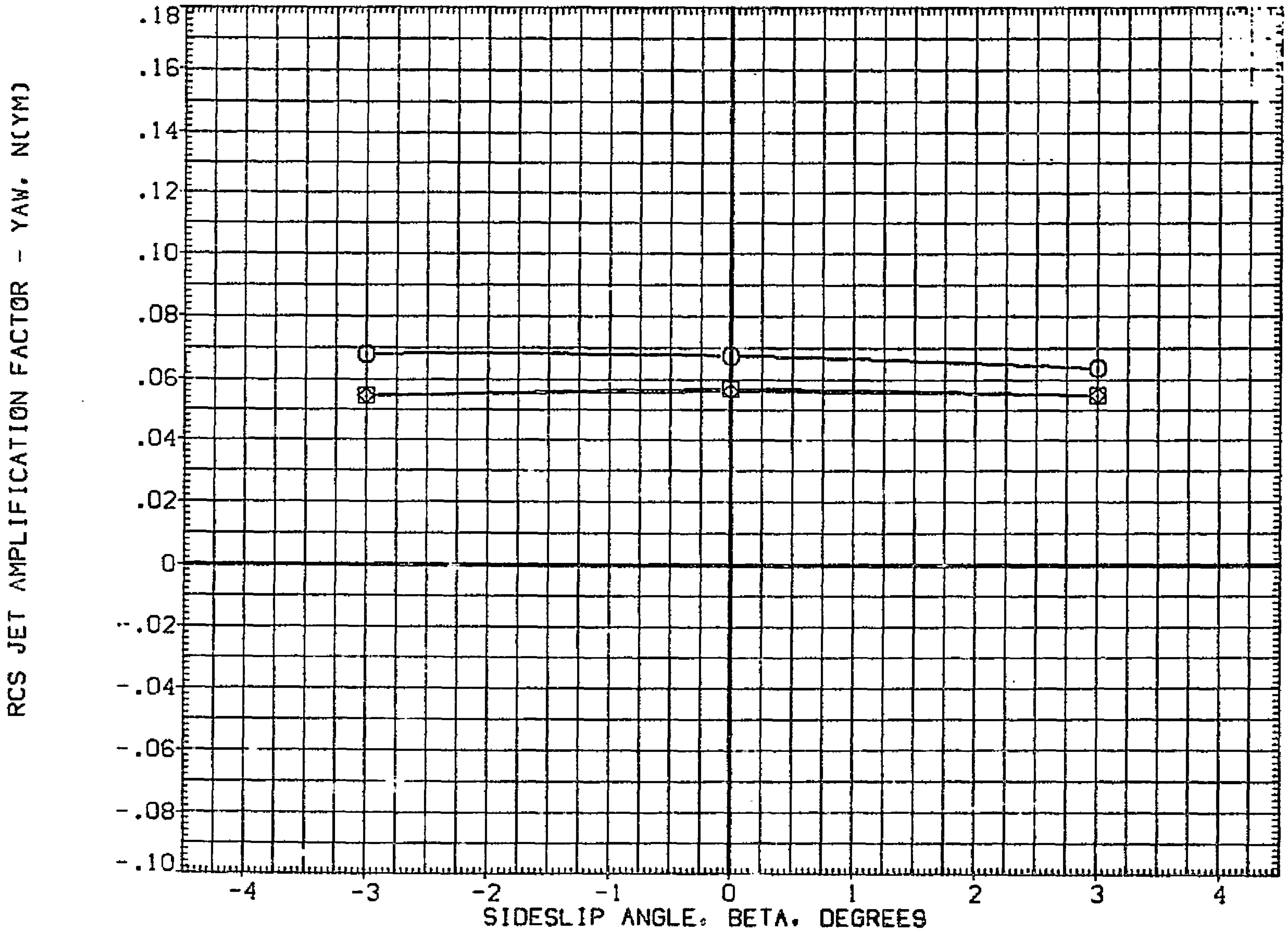

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

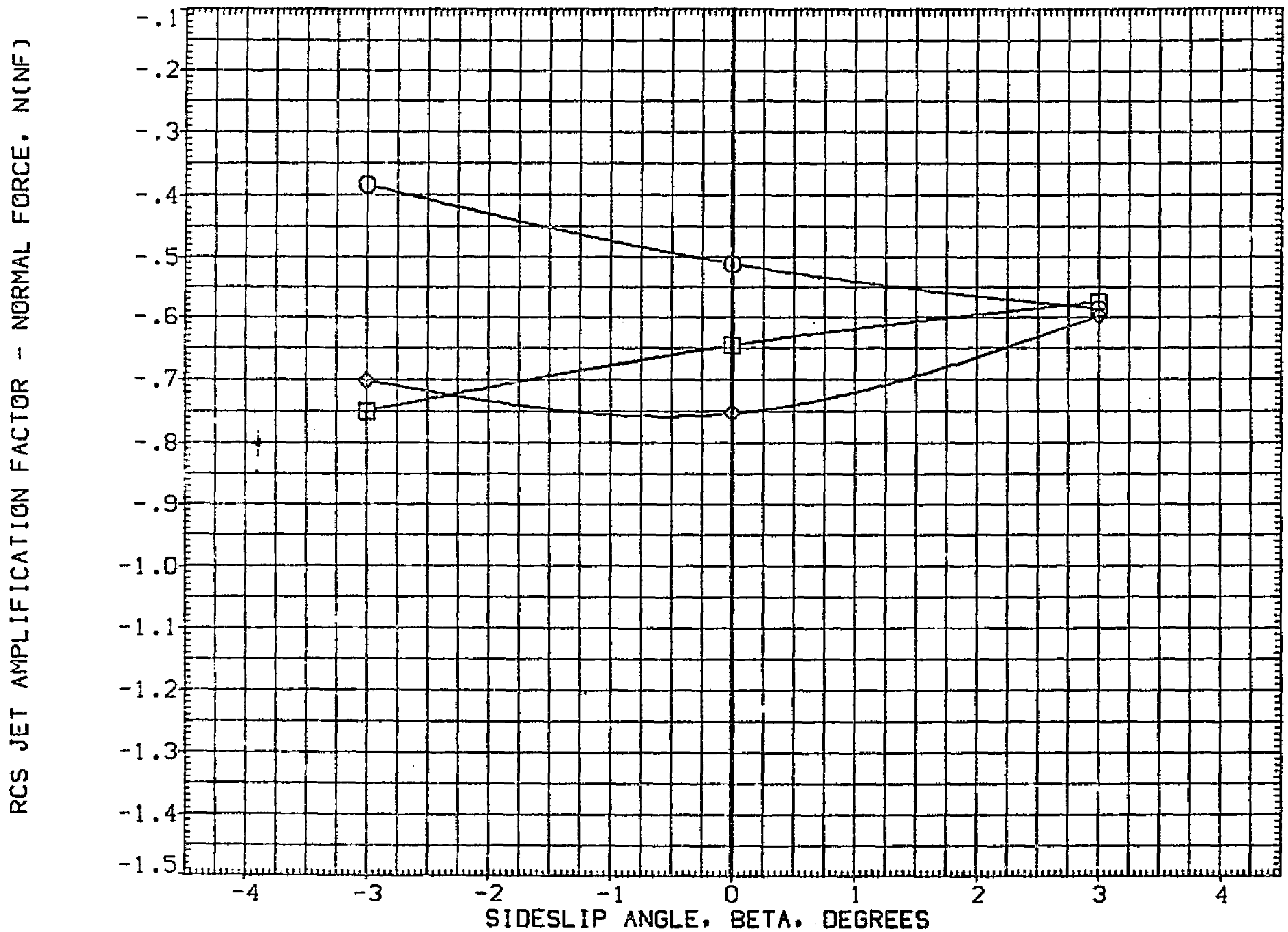

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

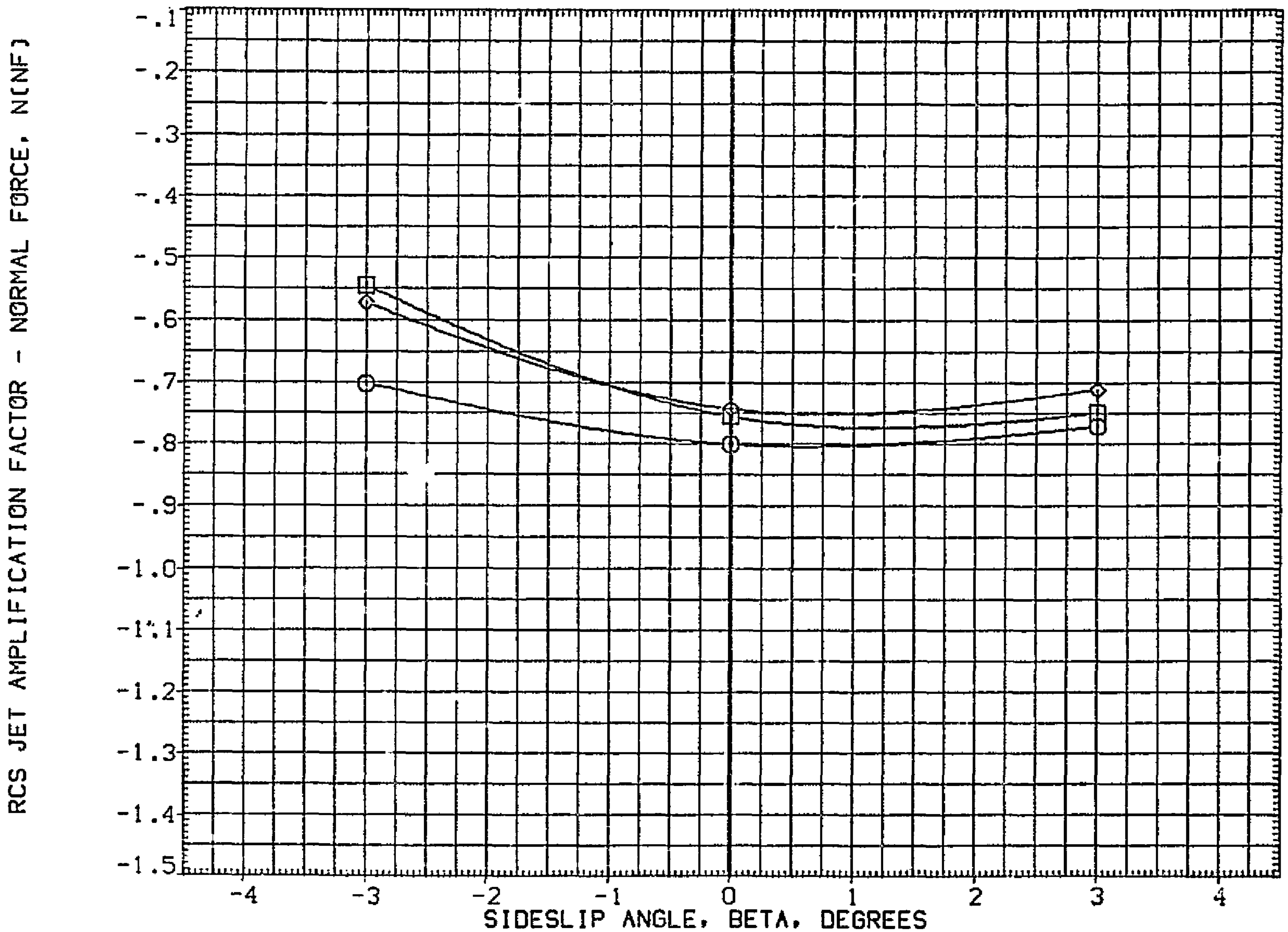

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

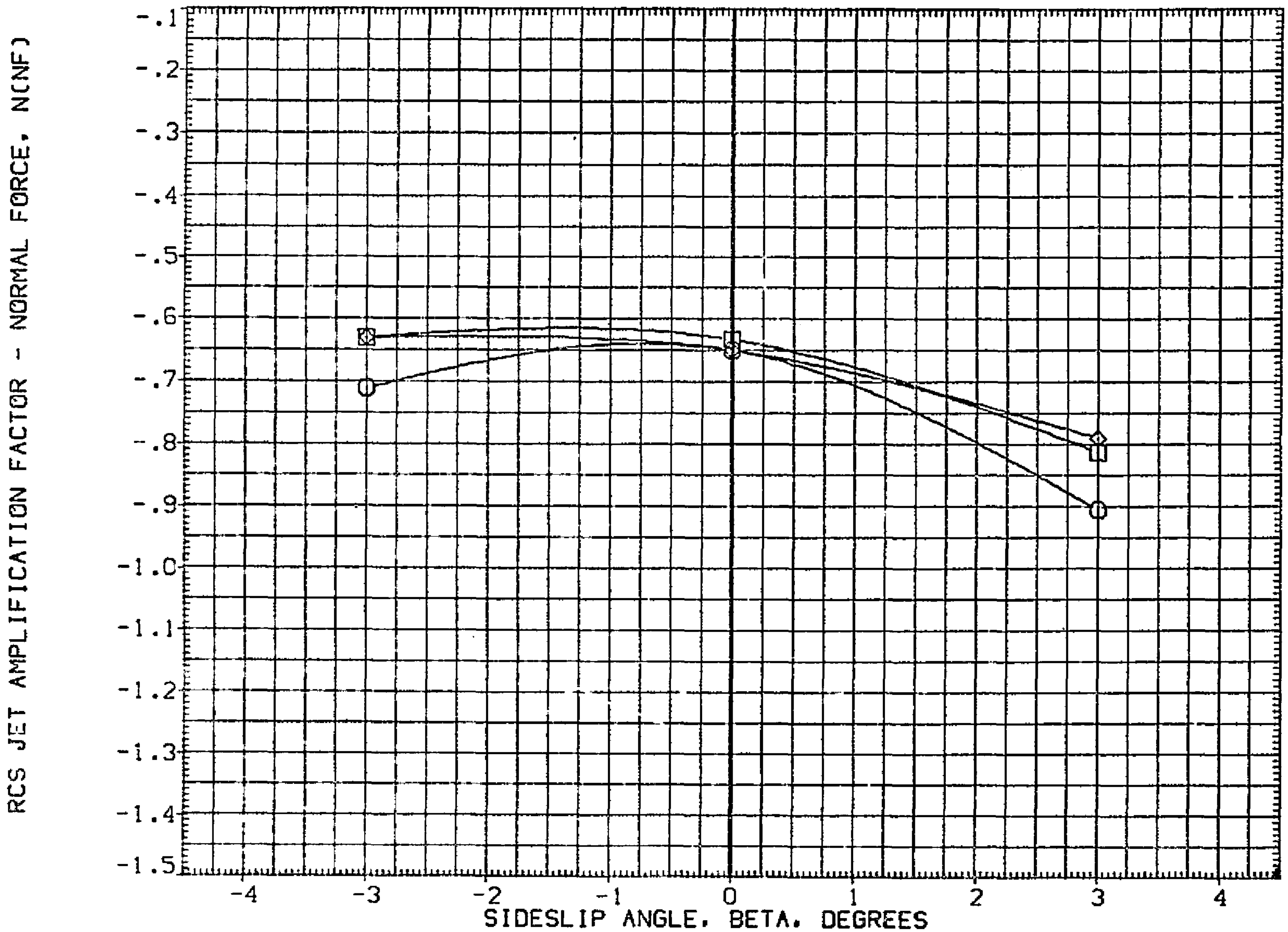

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

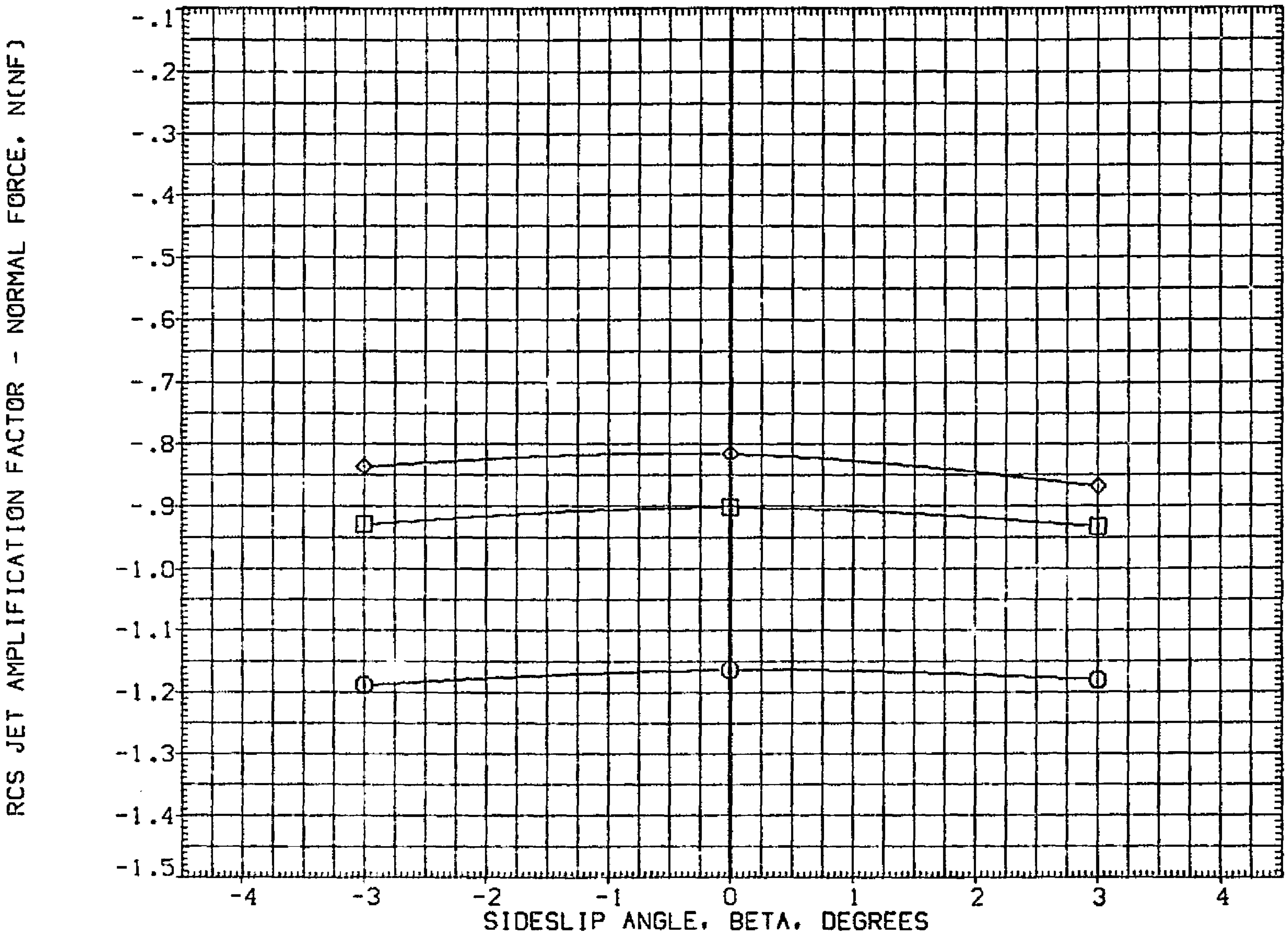

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

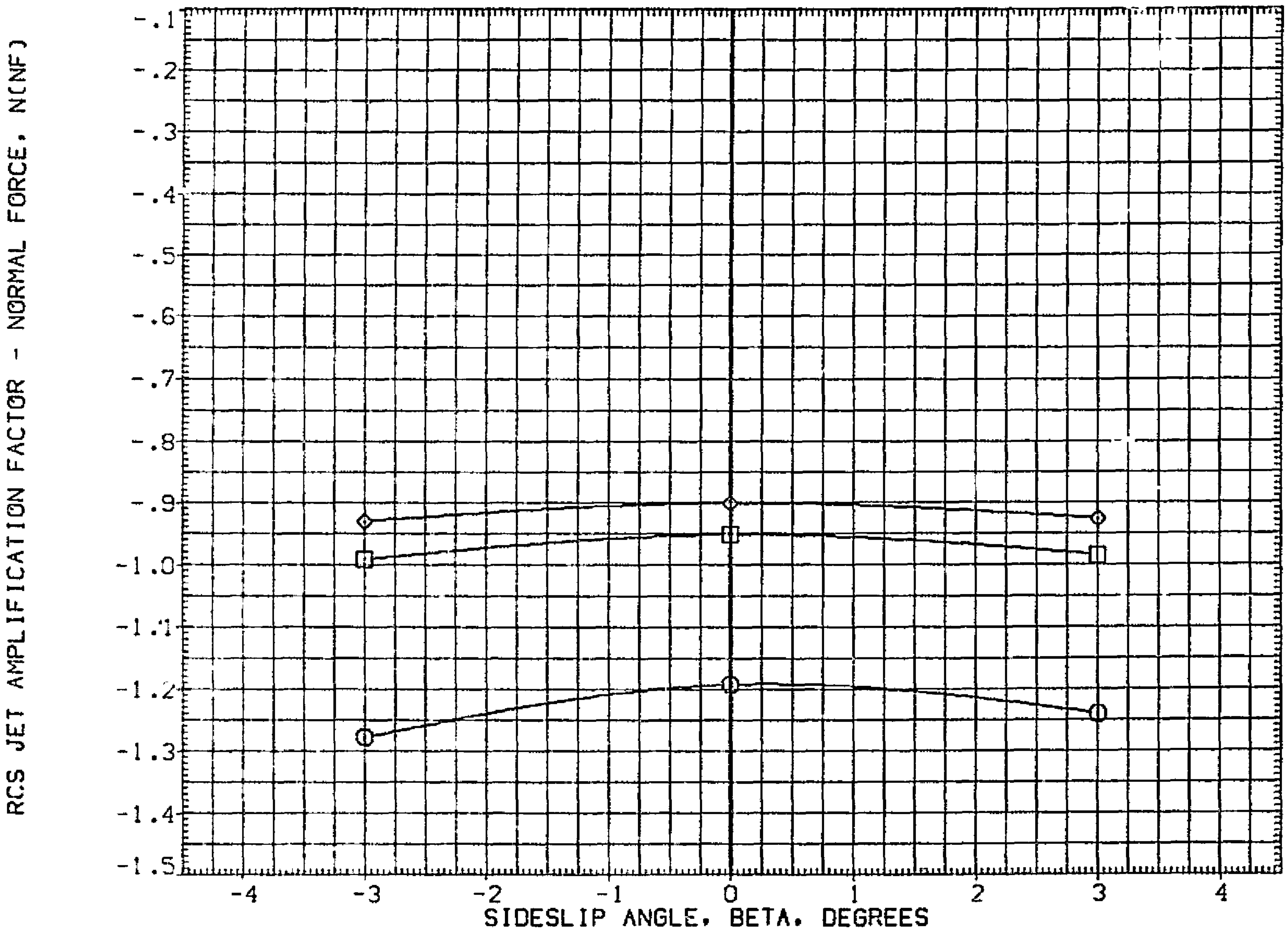

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

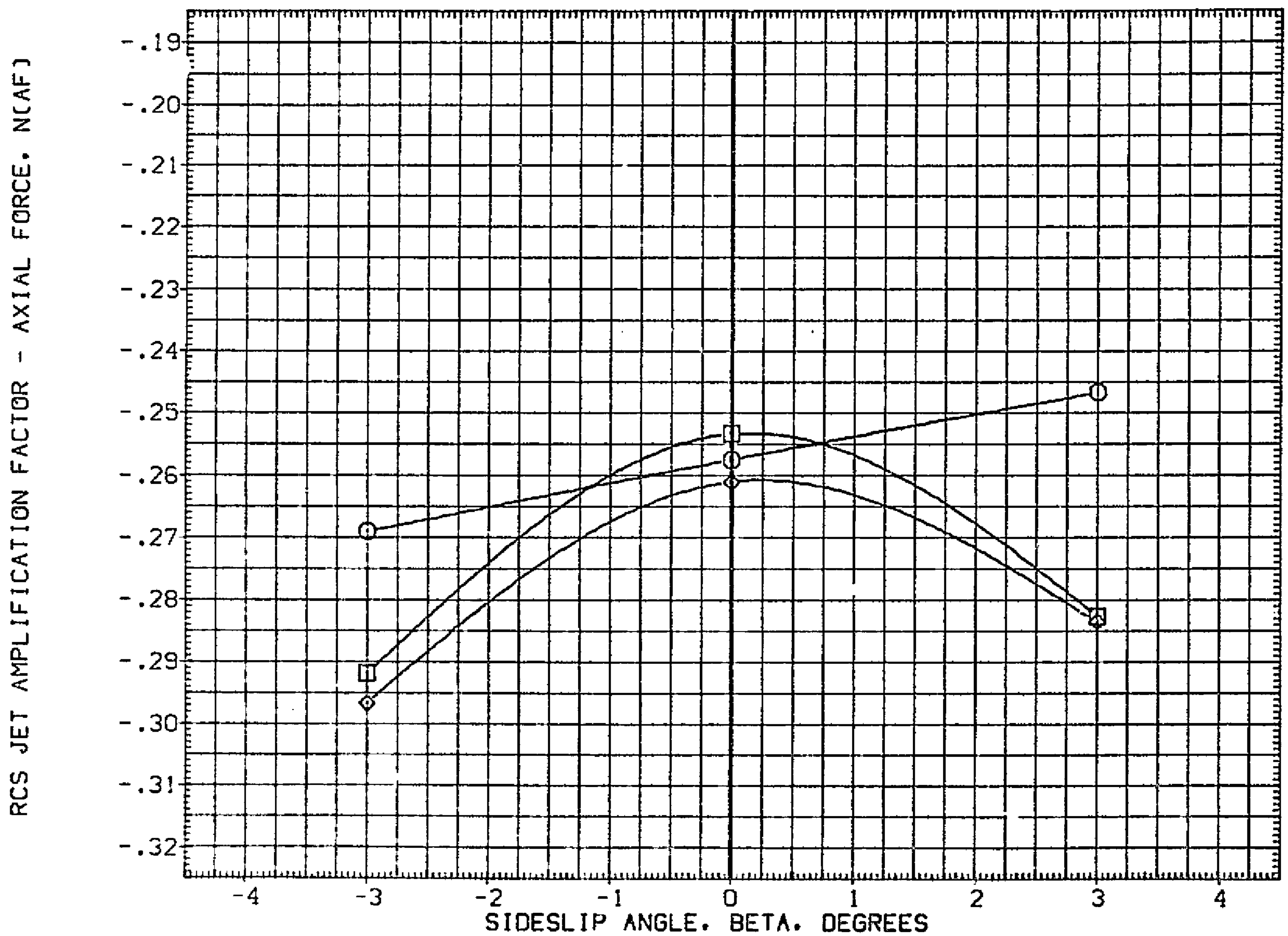

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 [MA-22] [CJA106]

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

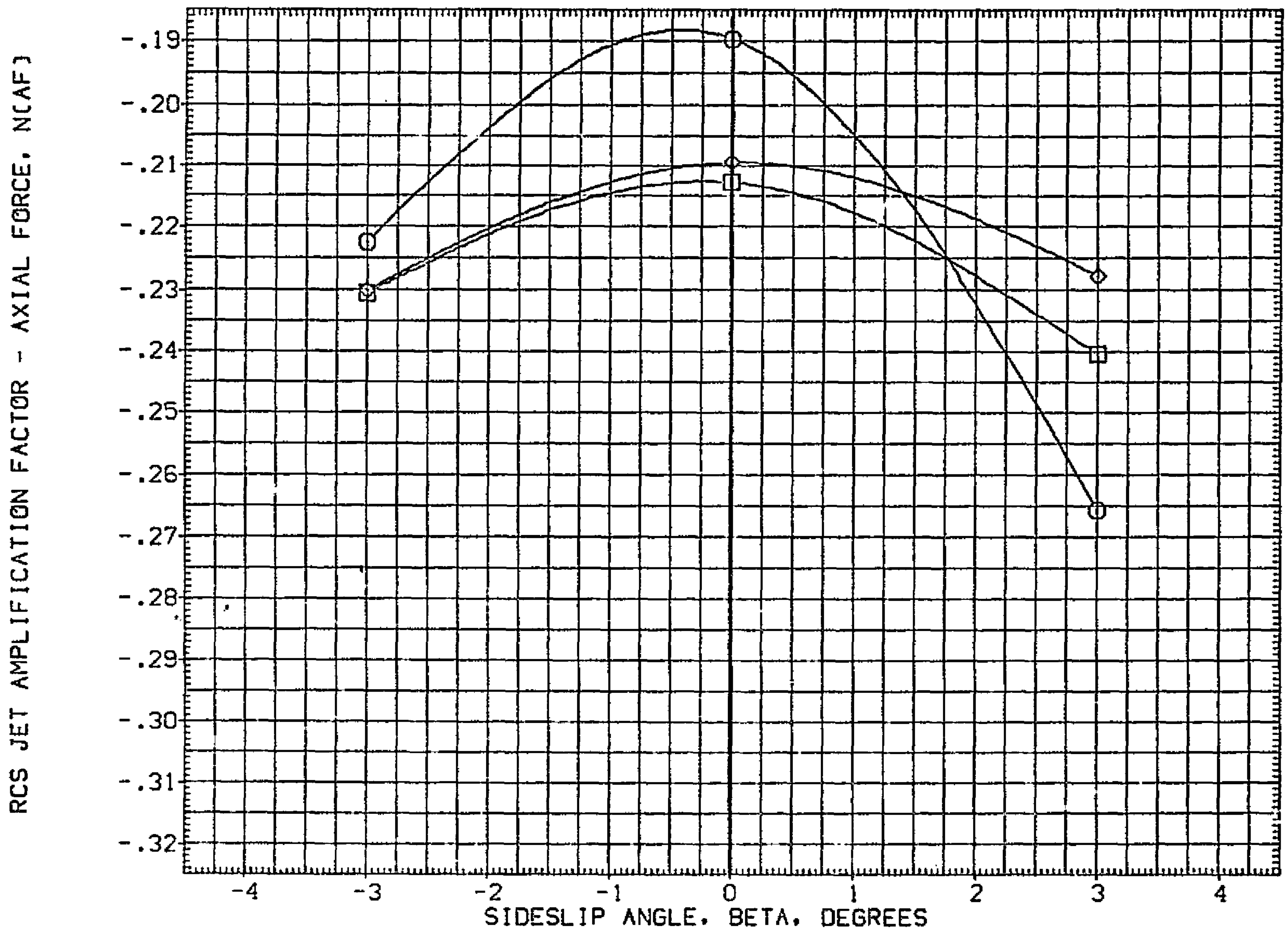

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

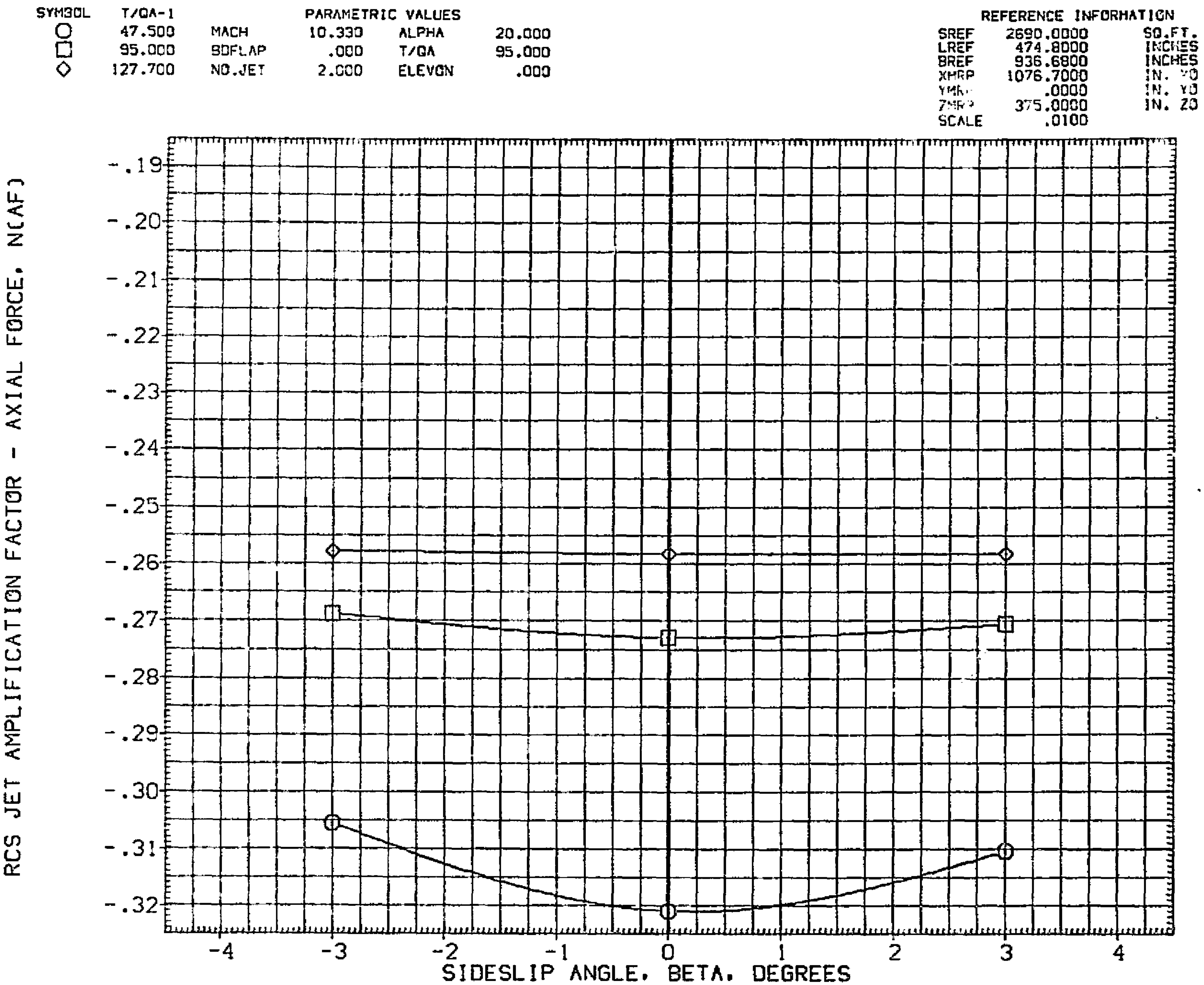

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

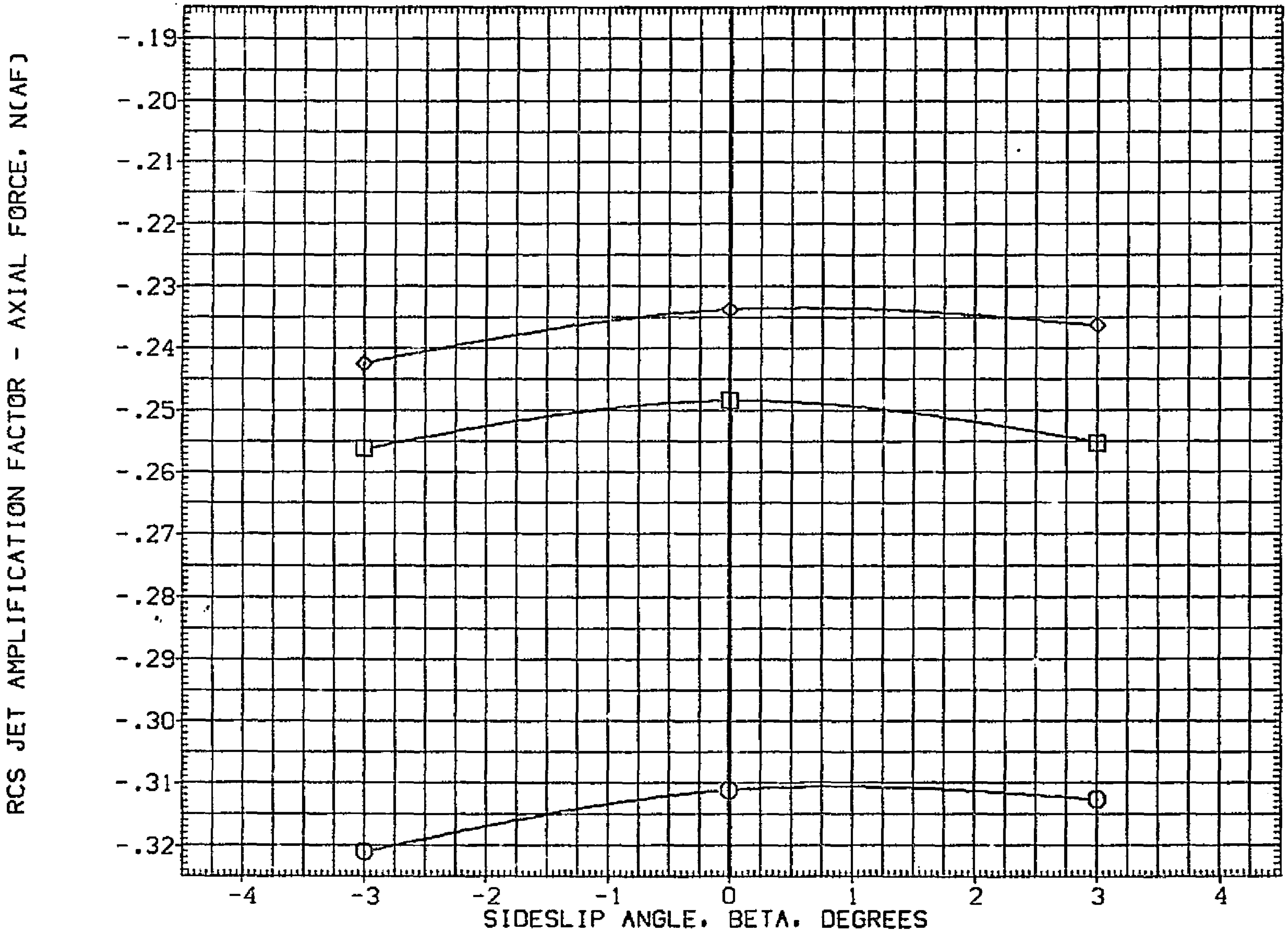

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

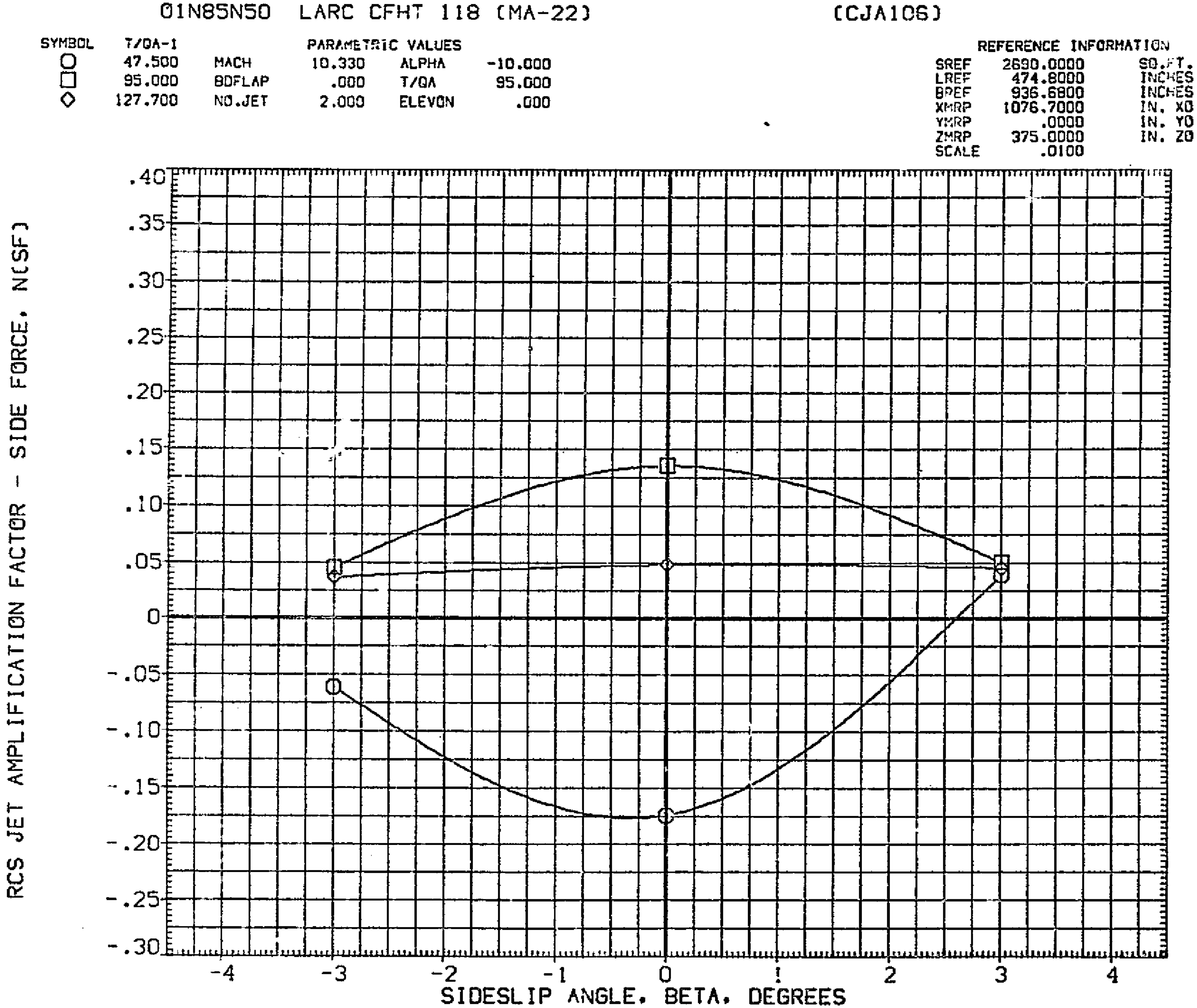

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

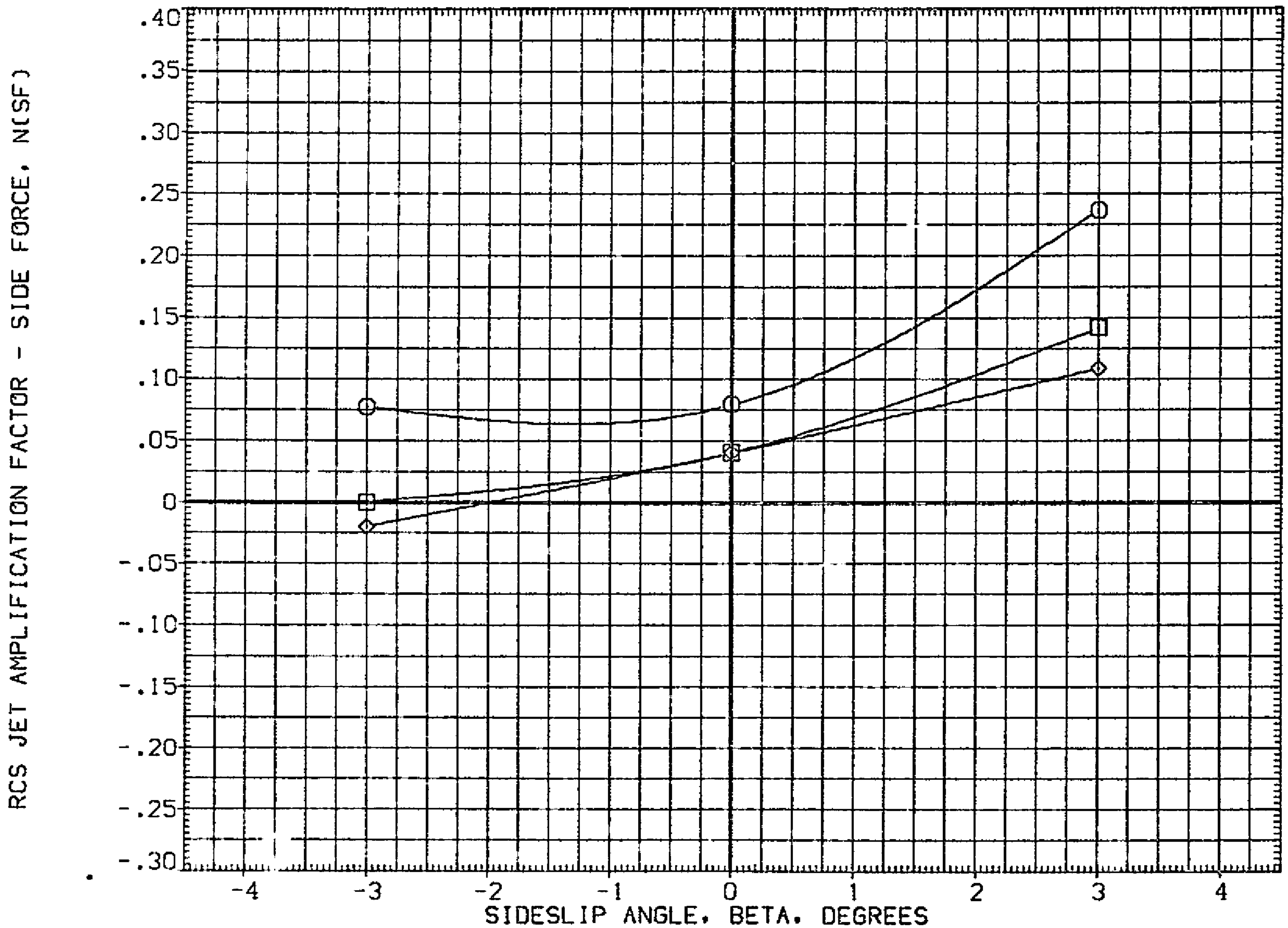

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

SYMBOL	T/OA-1
○	47.500
□	95.000
◇	127.700

PARAMETRIC VALUES

MACH	10.330	ALPHA	10.000
BDFLAP	.000	T/OA	95.000
NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

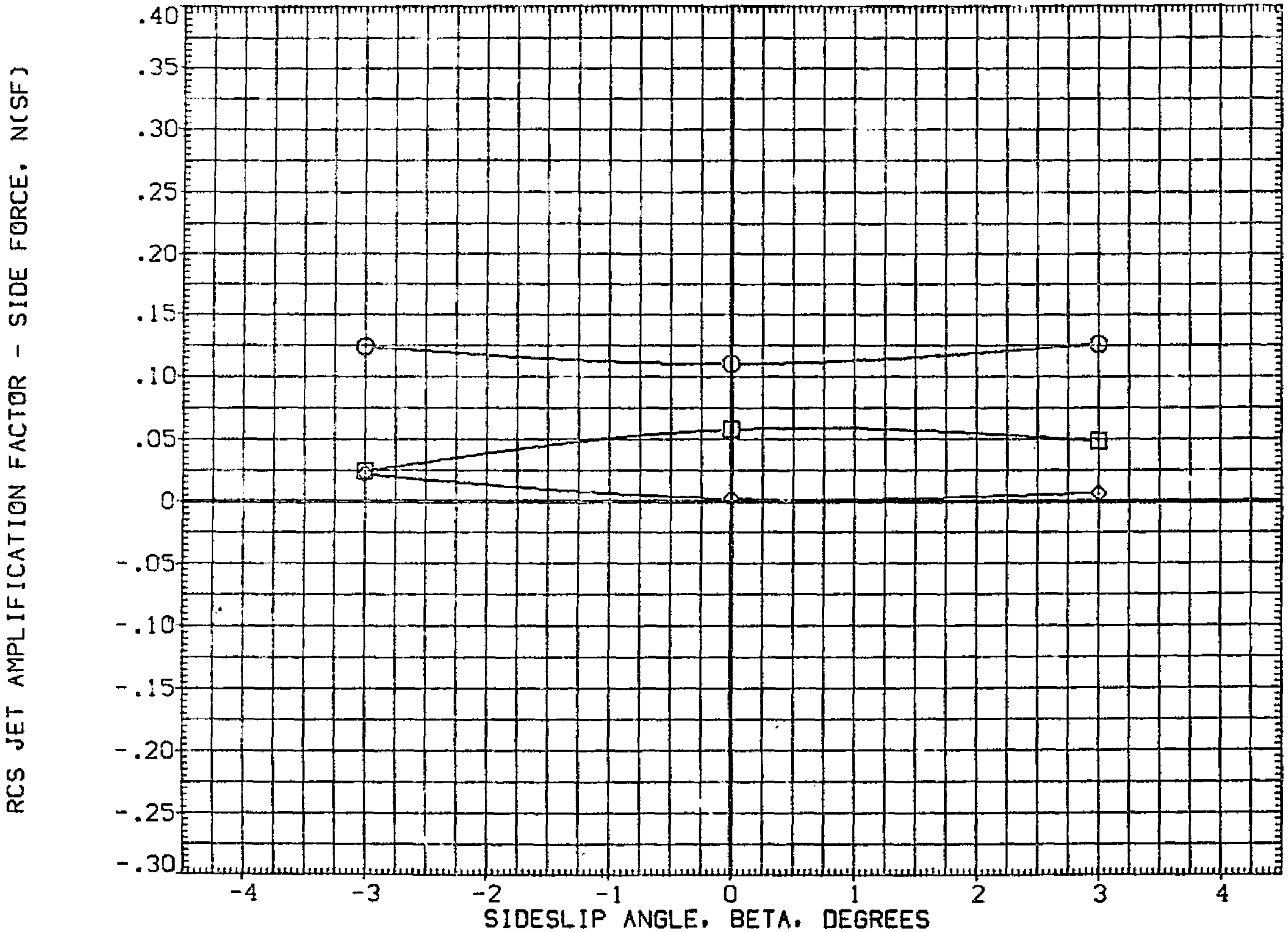

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N85N50 LARC CFHT 118 (MA-22) (CJA106)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

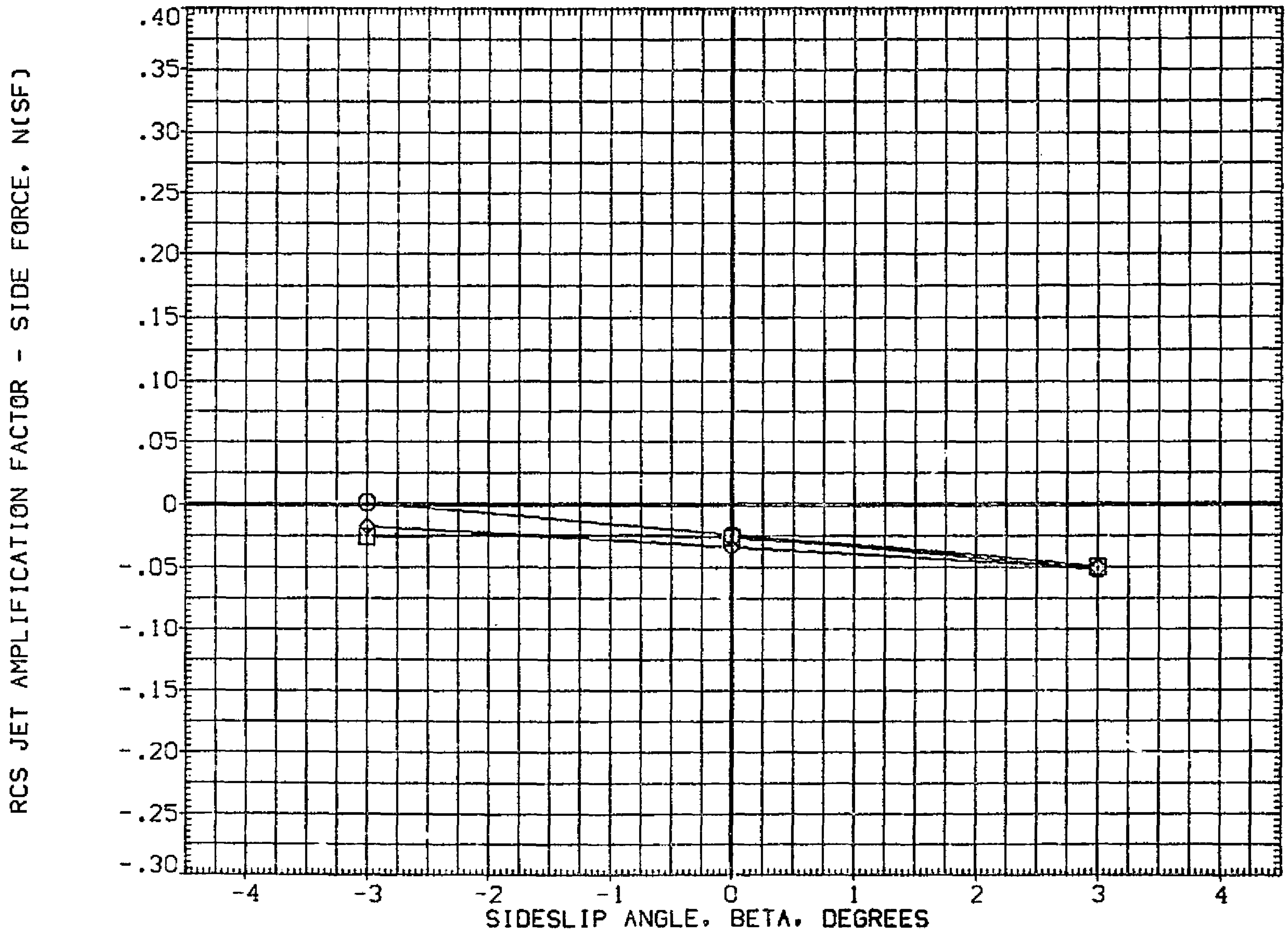

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

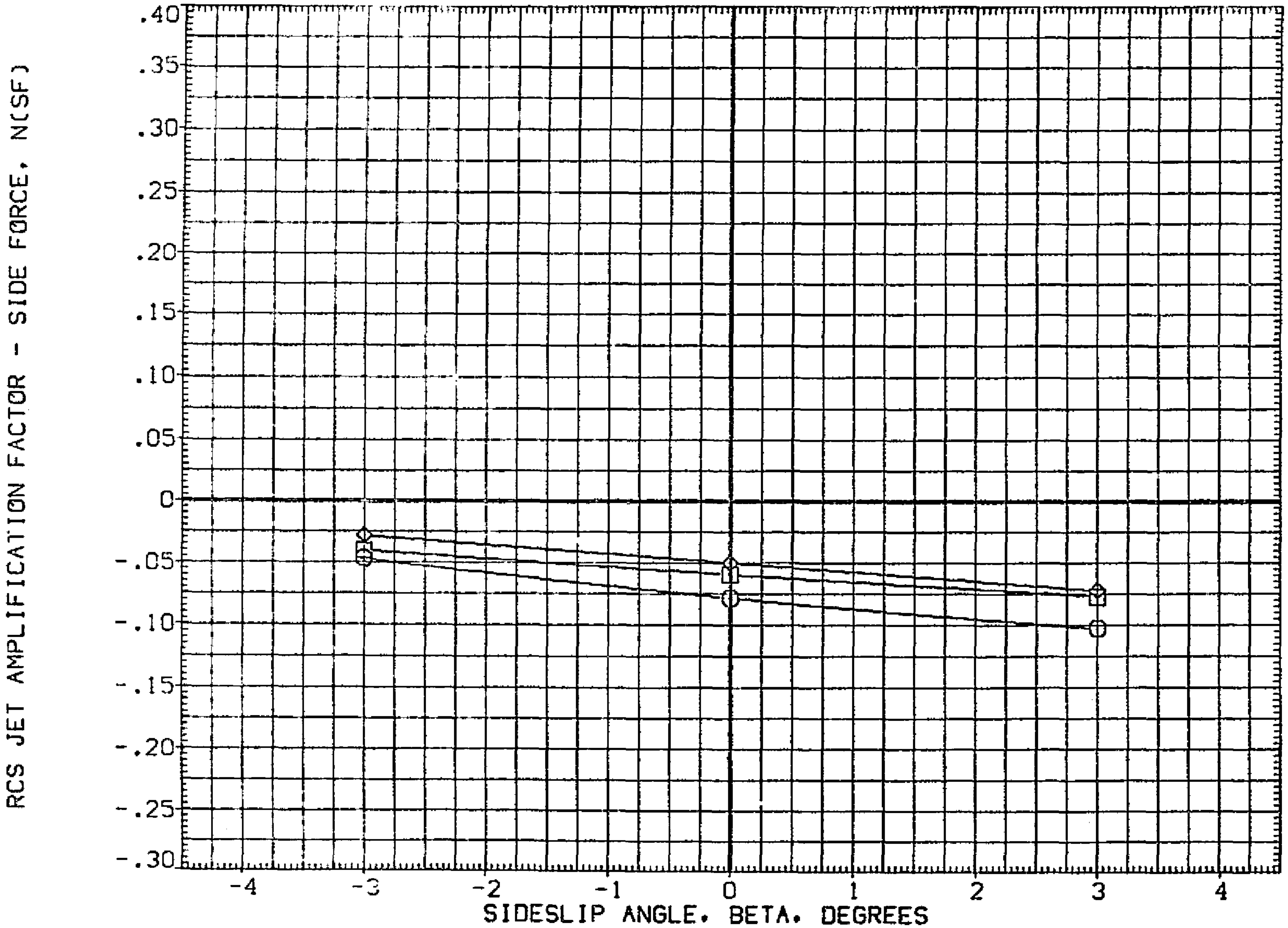

FIGURE 91. AMPLIFICATION FACTOR IN YAW, N50N85 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

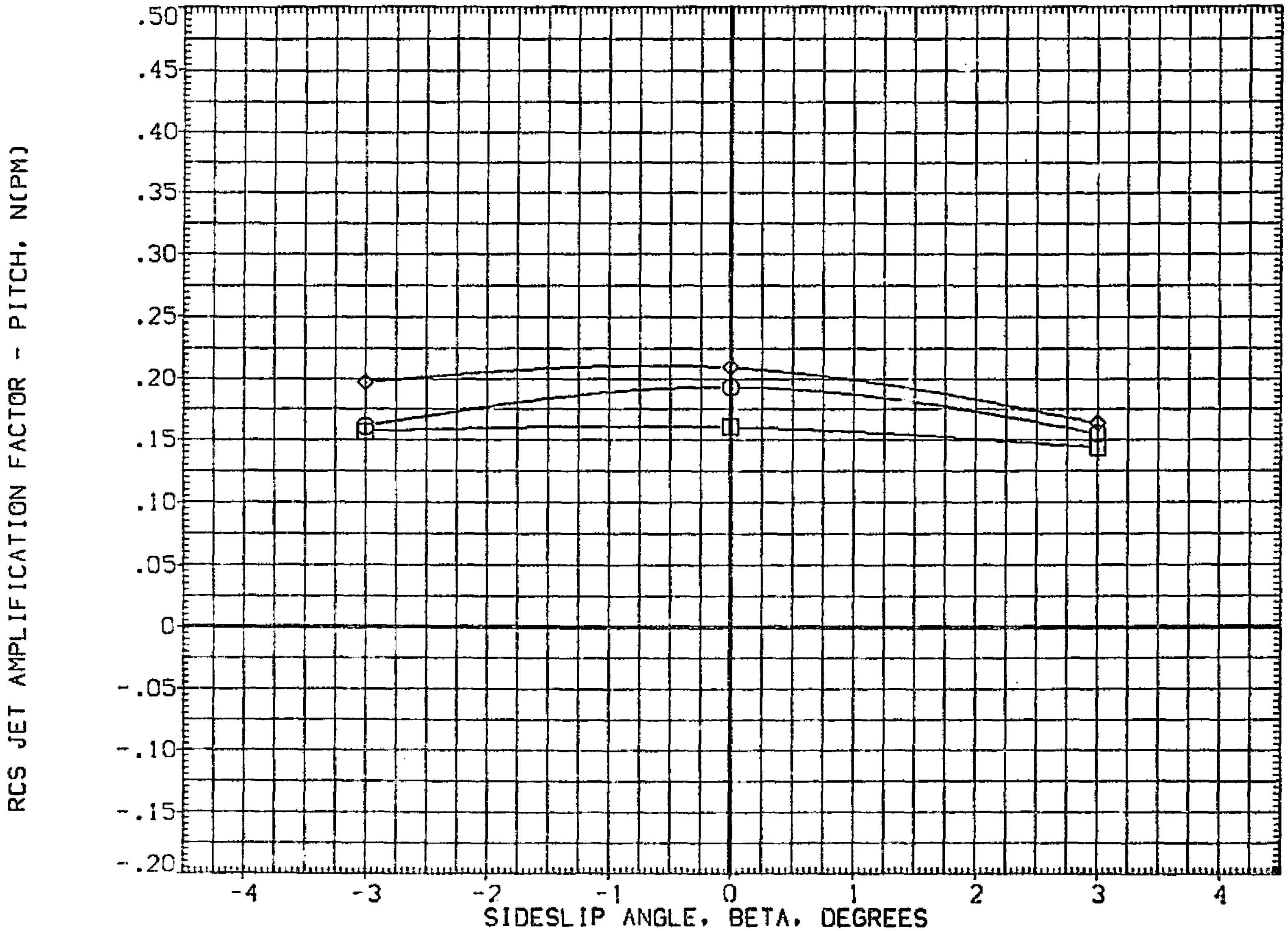

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJAN94)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

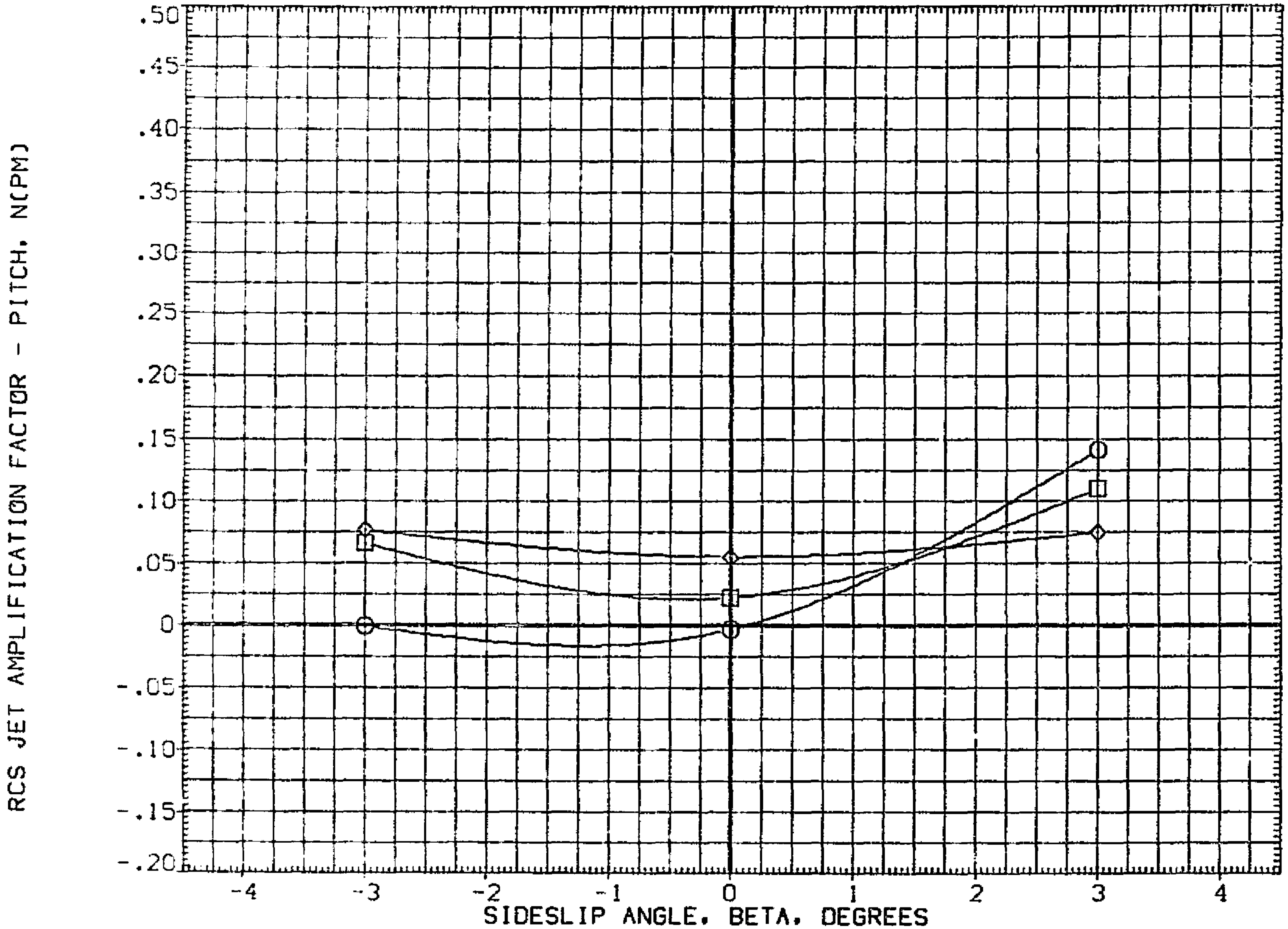

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

SYMBOL	T/QA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

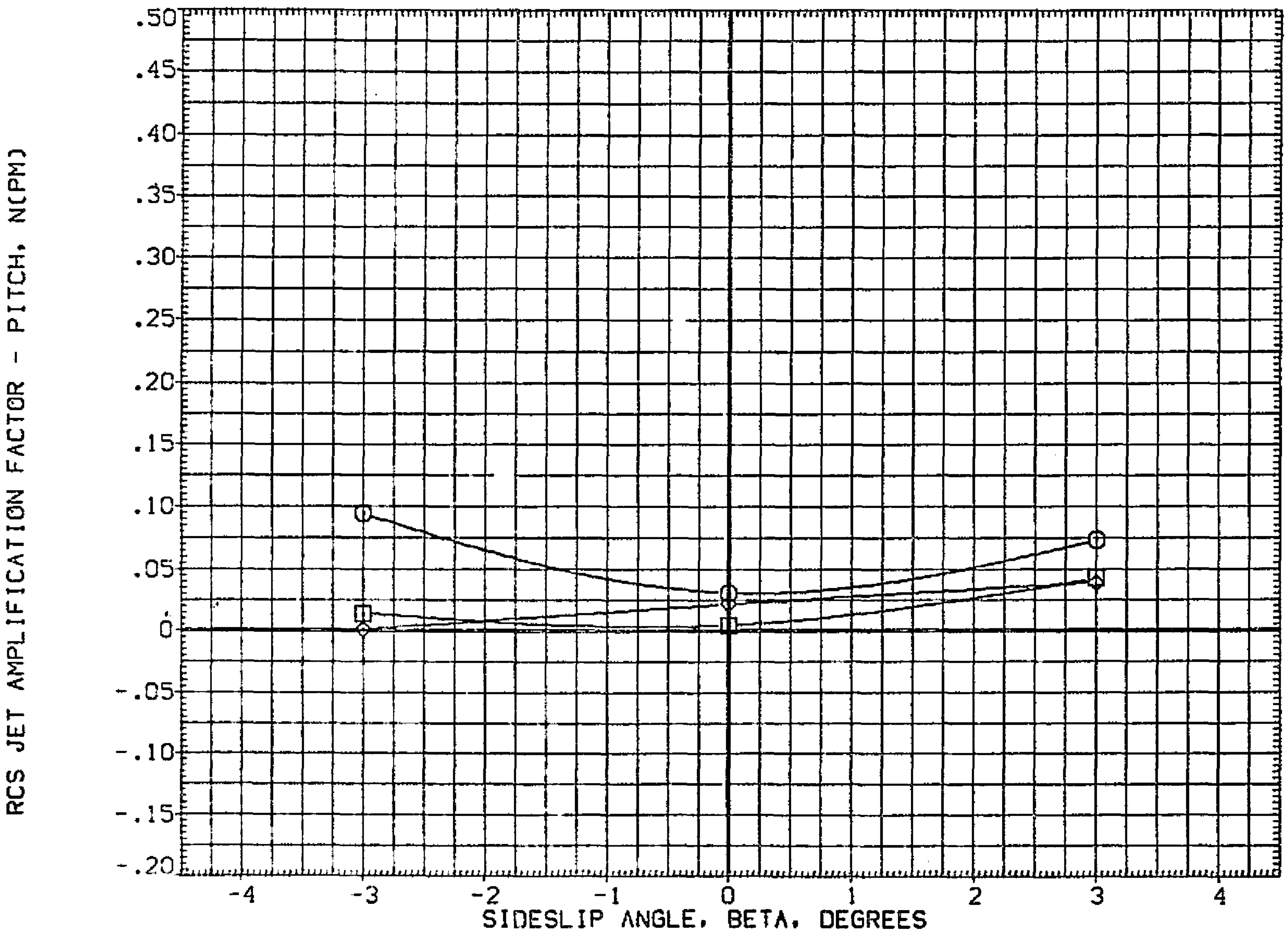

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

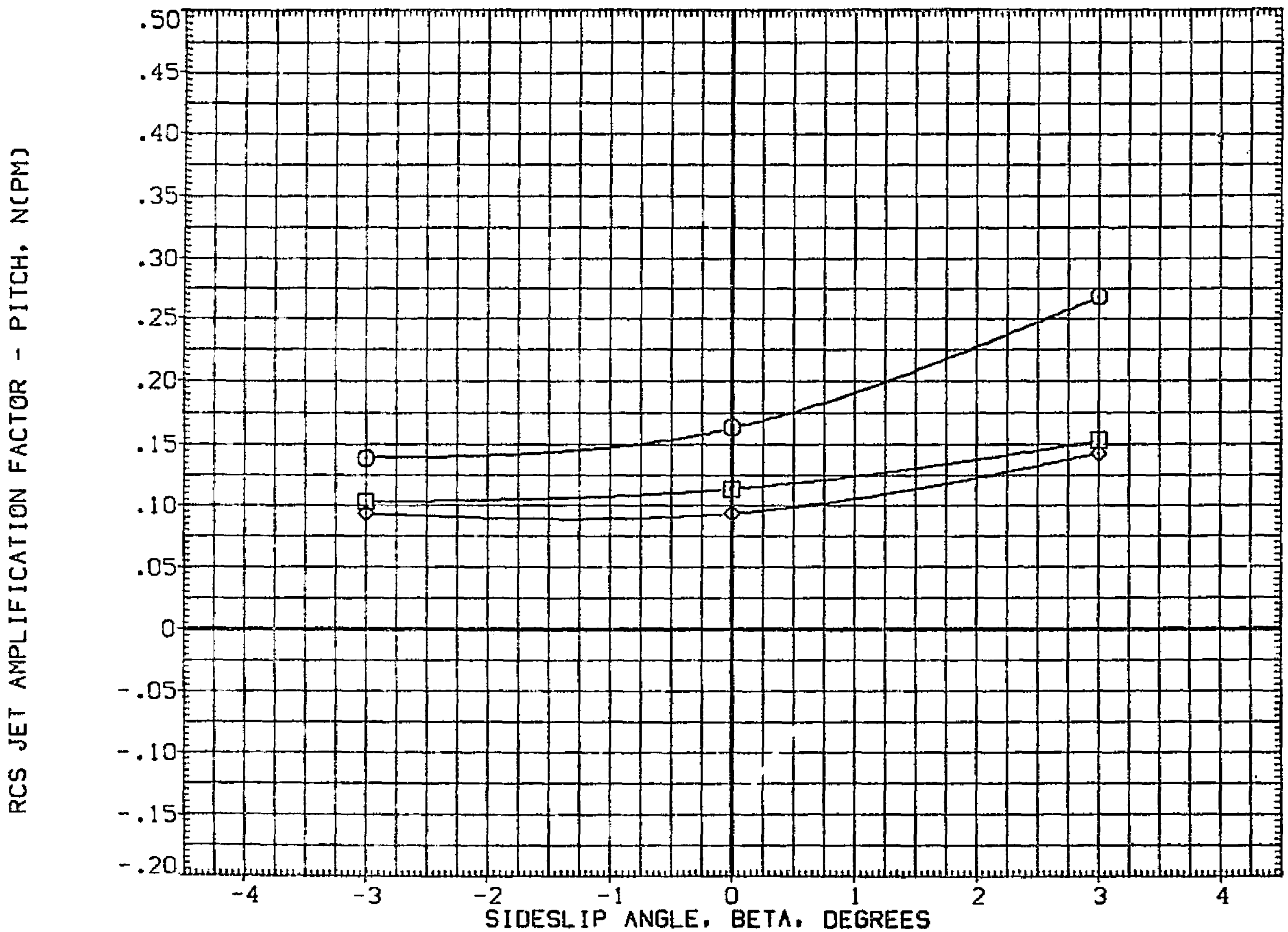

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84   LARC CFHT 118 (MA-22)   (FJA094)

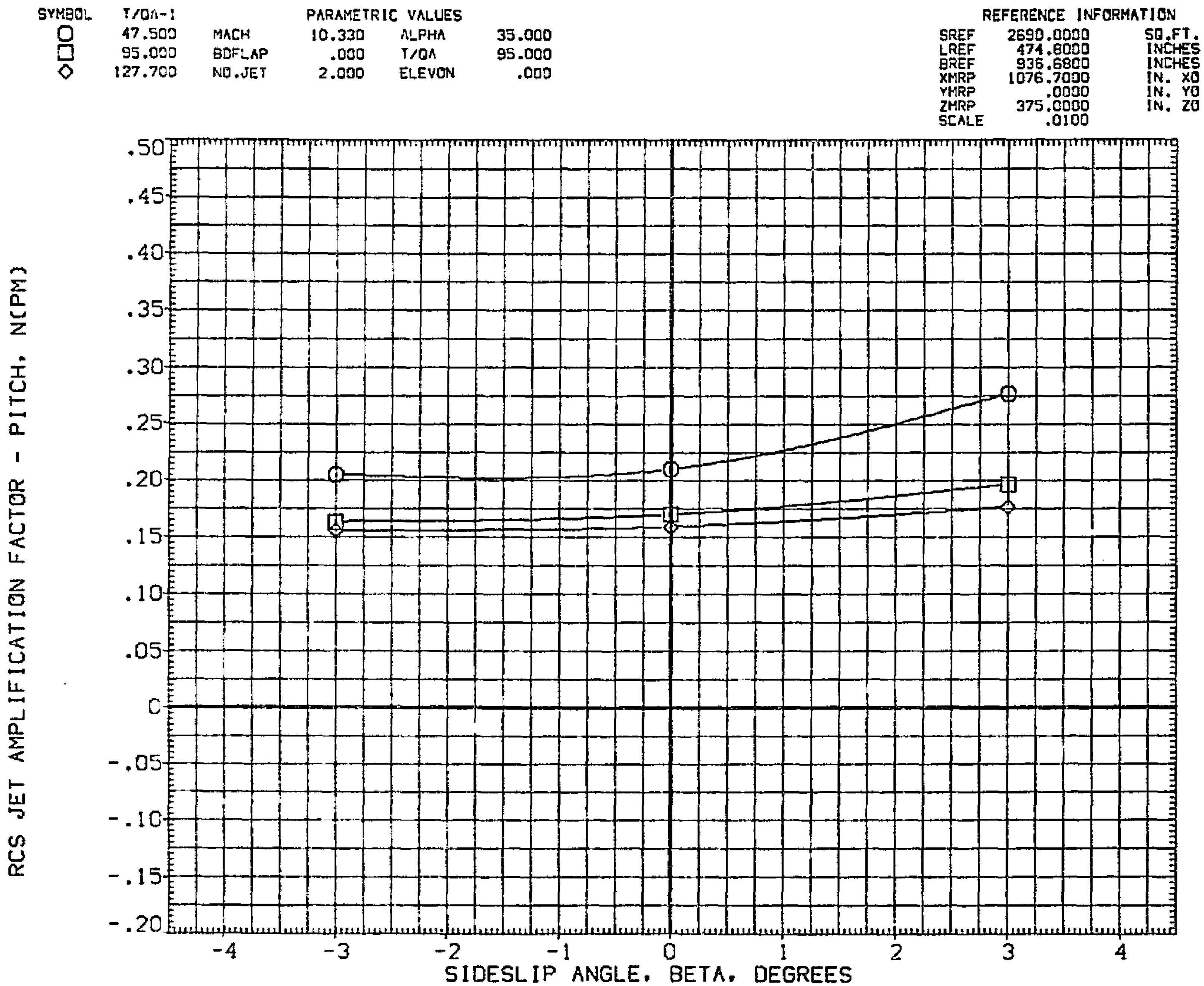

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/OA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

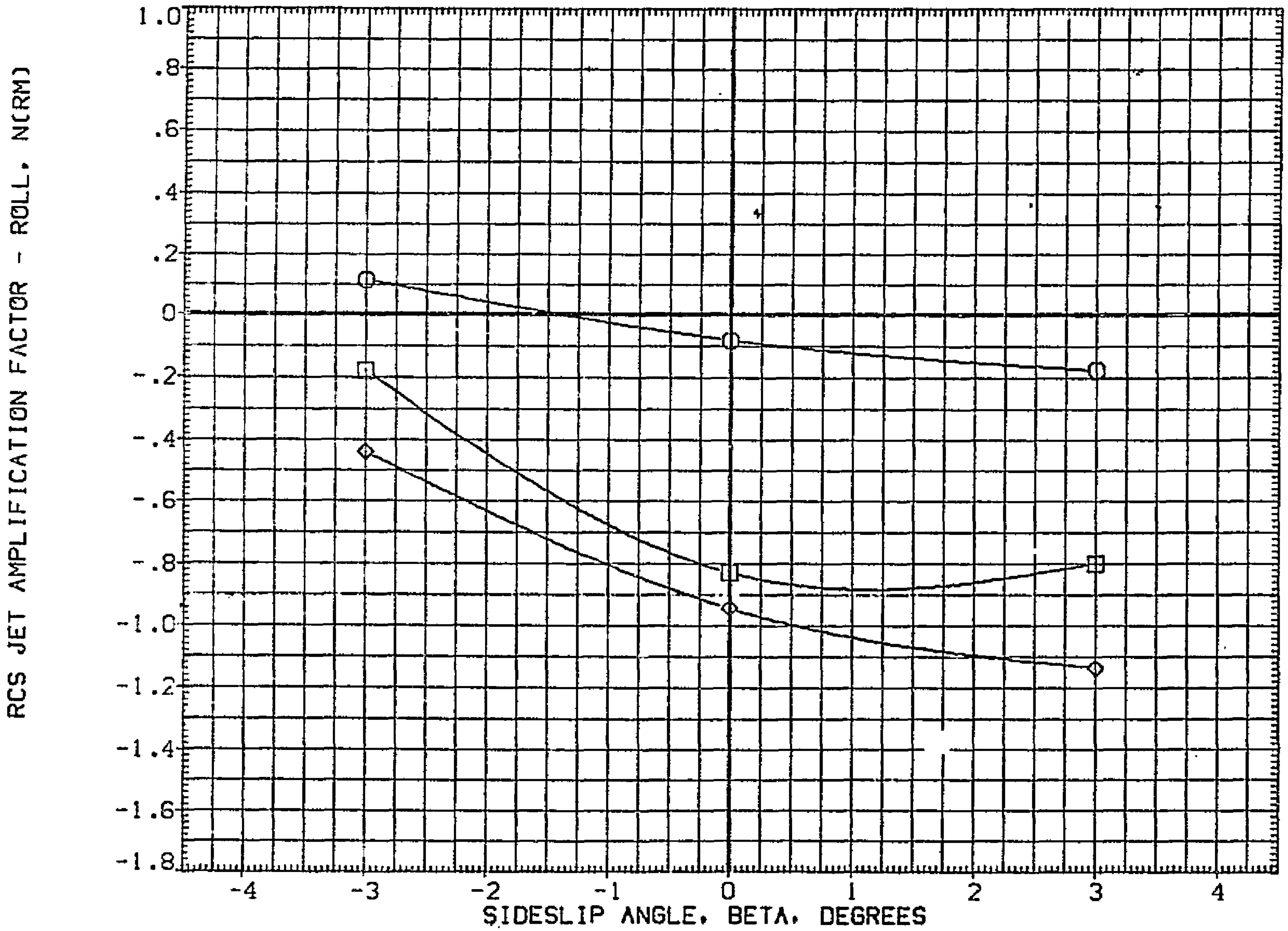

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

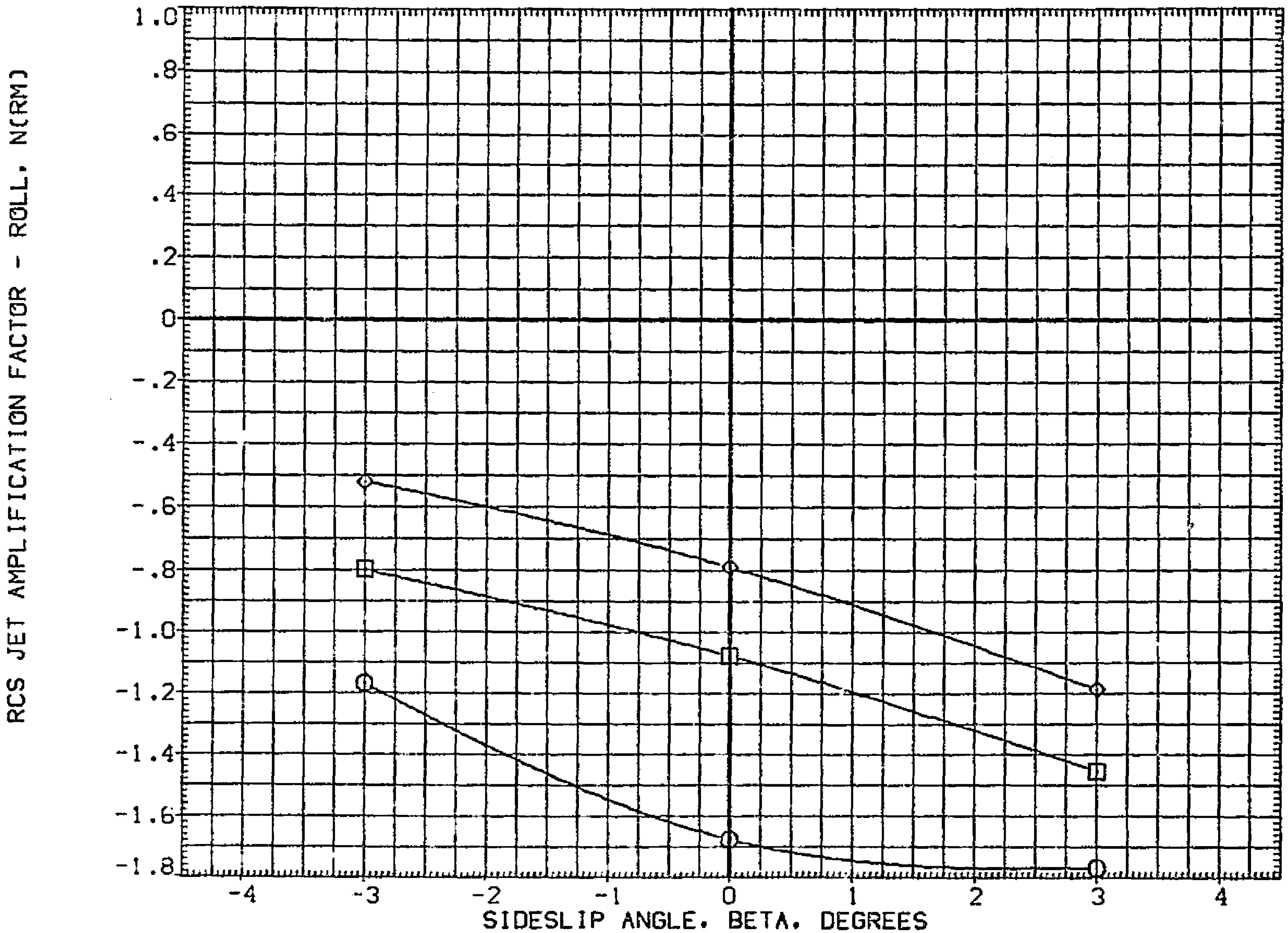

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

SYMBOL	T/OA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

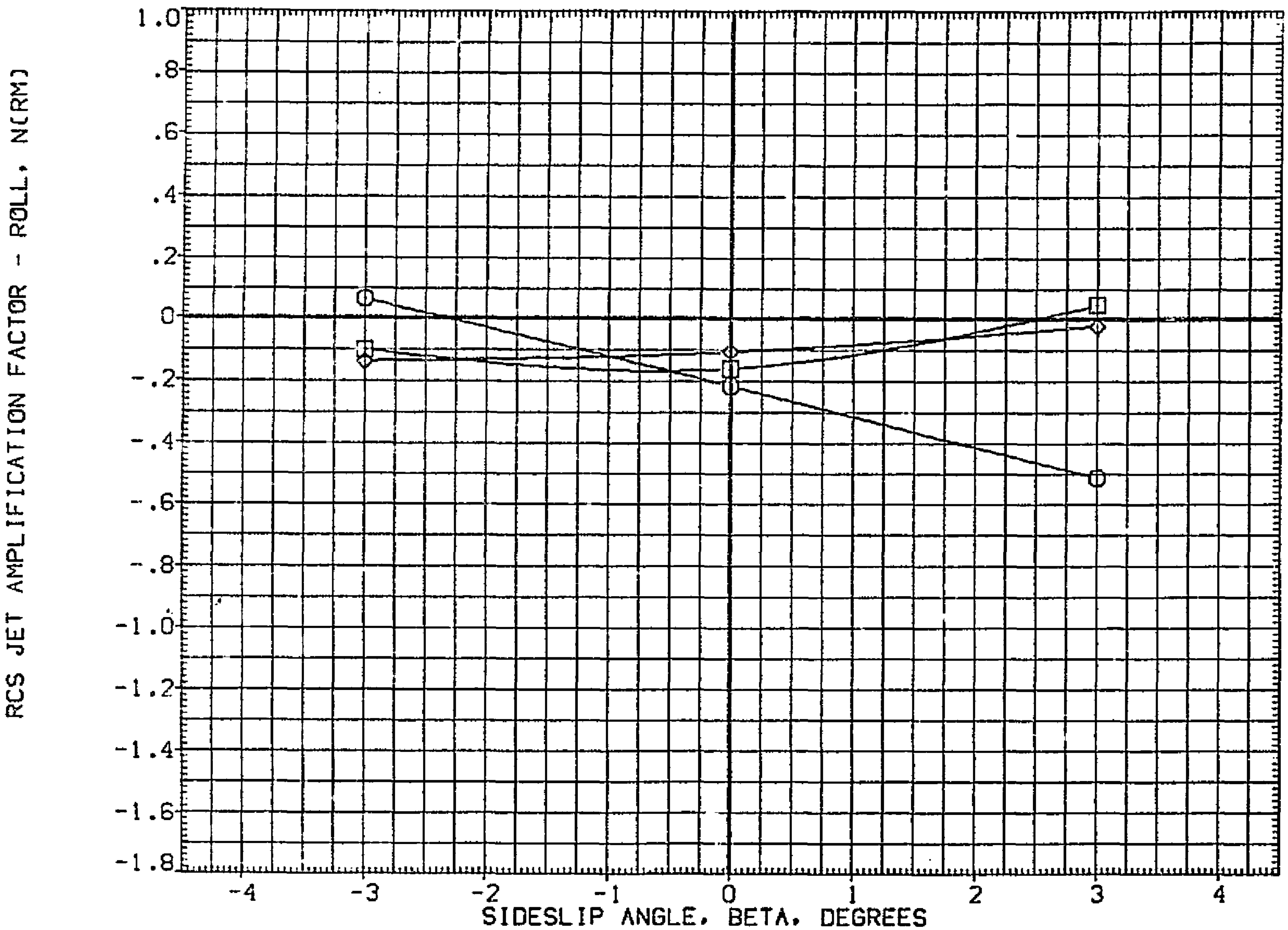

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

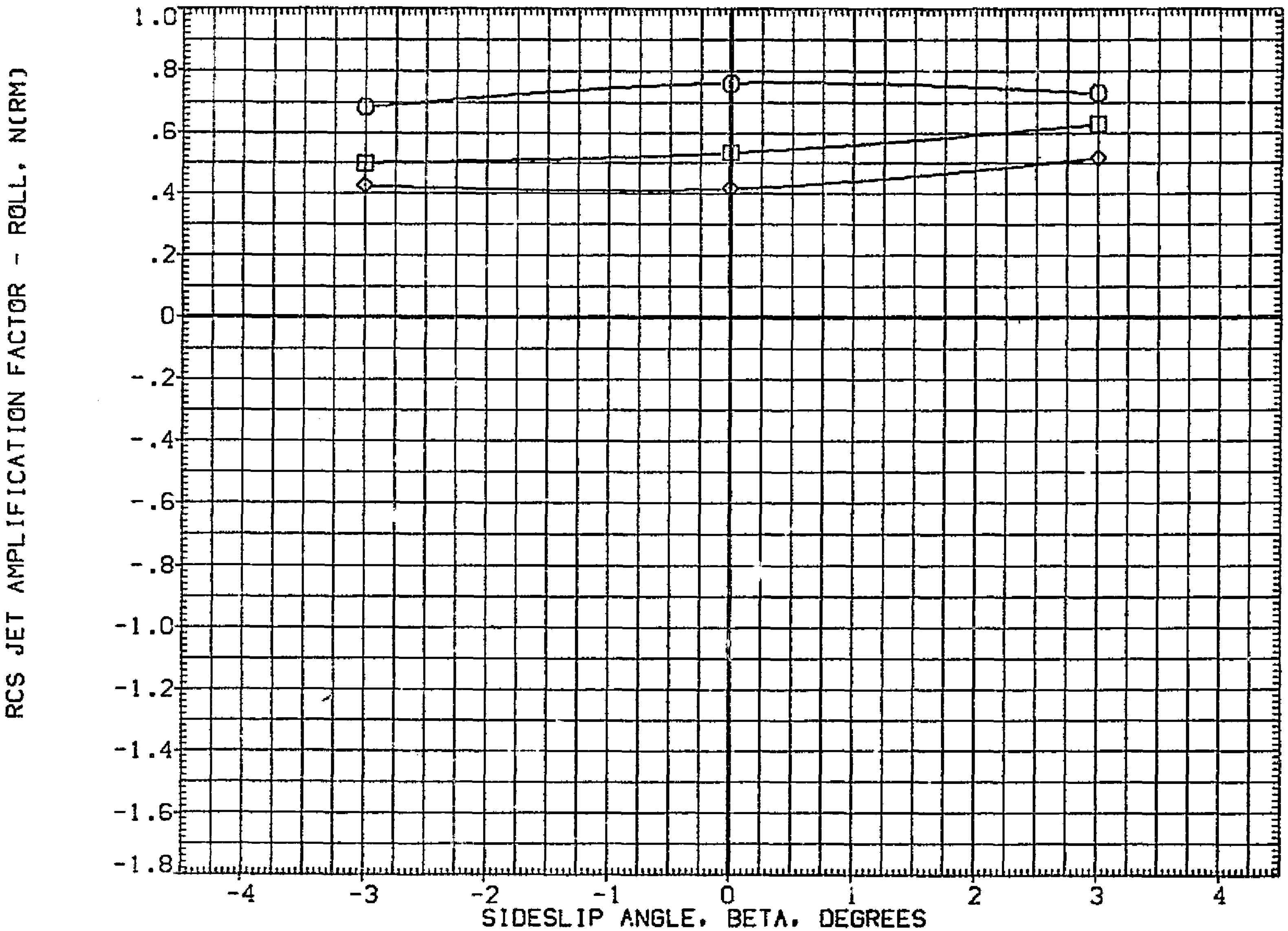

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

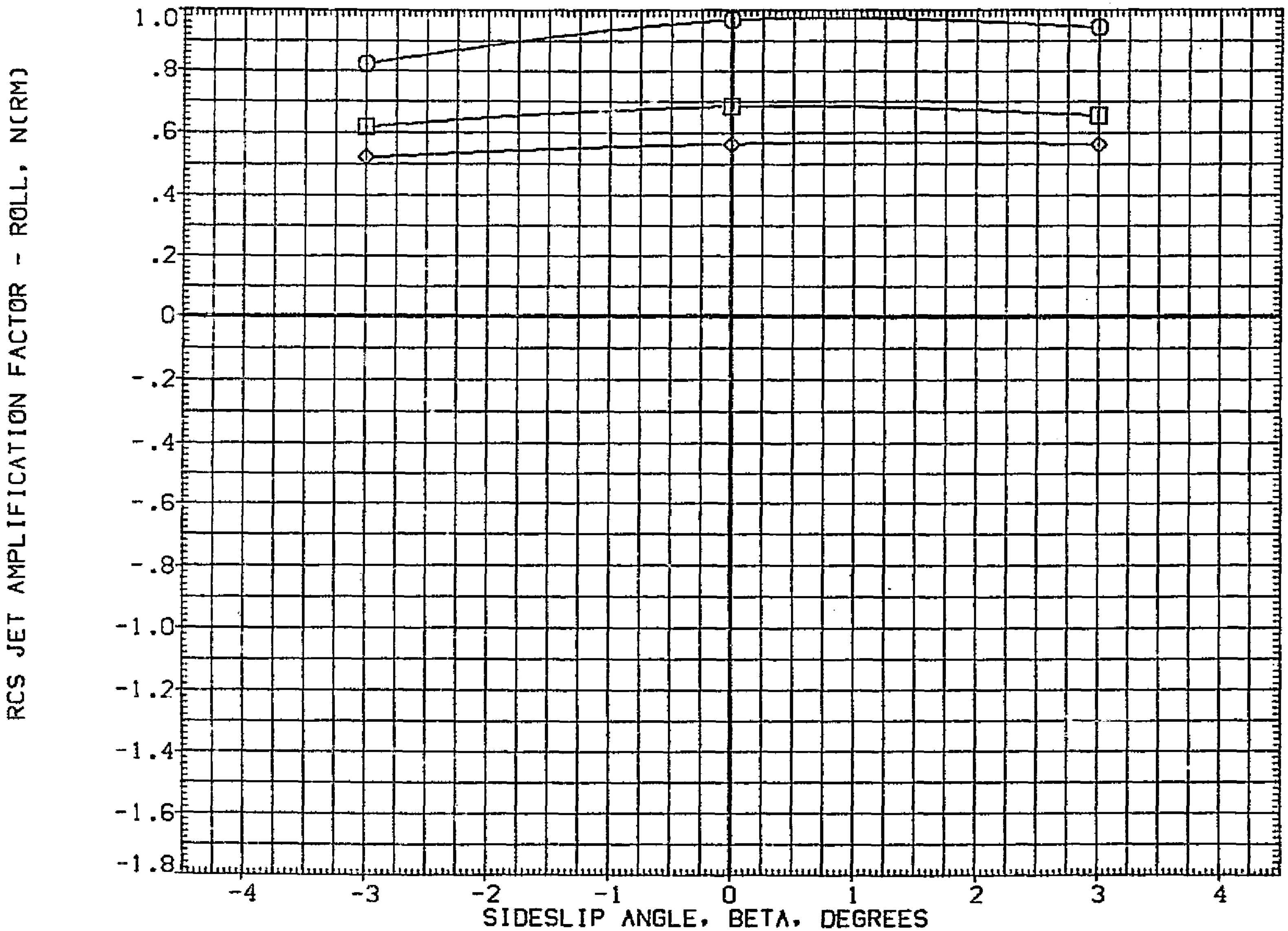

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

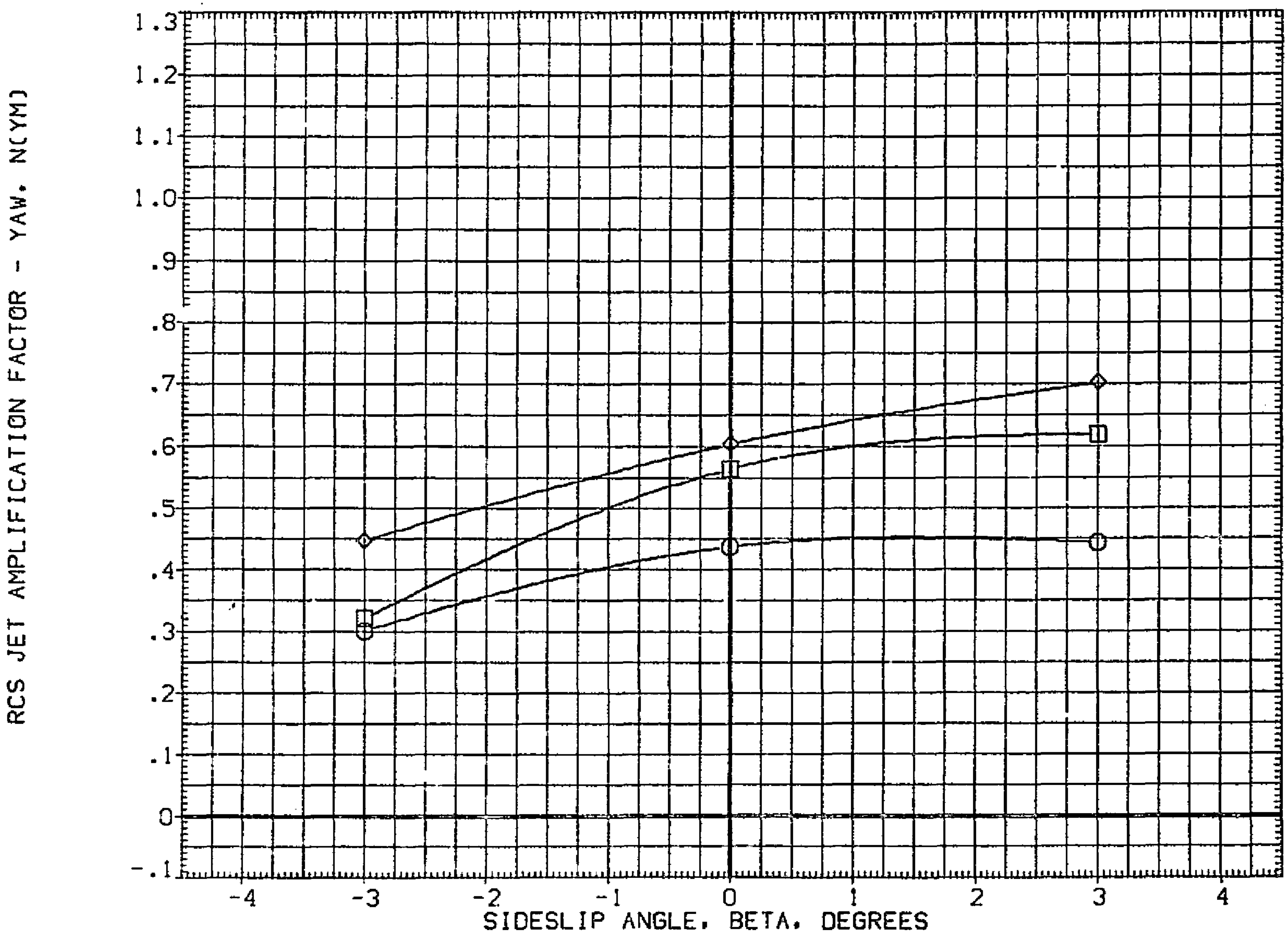

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

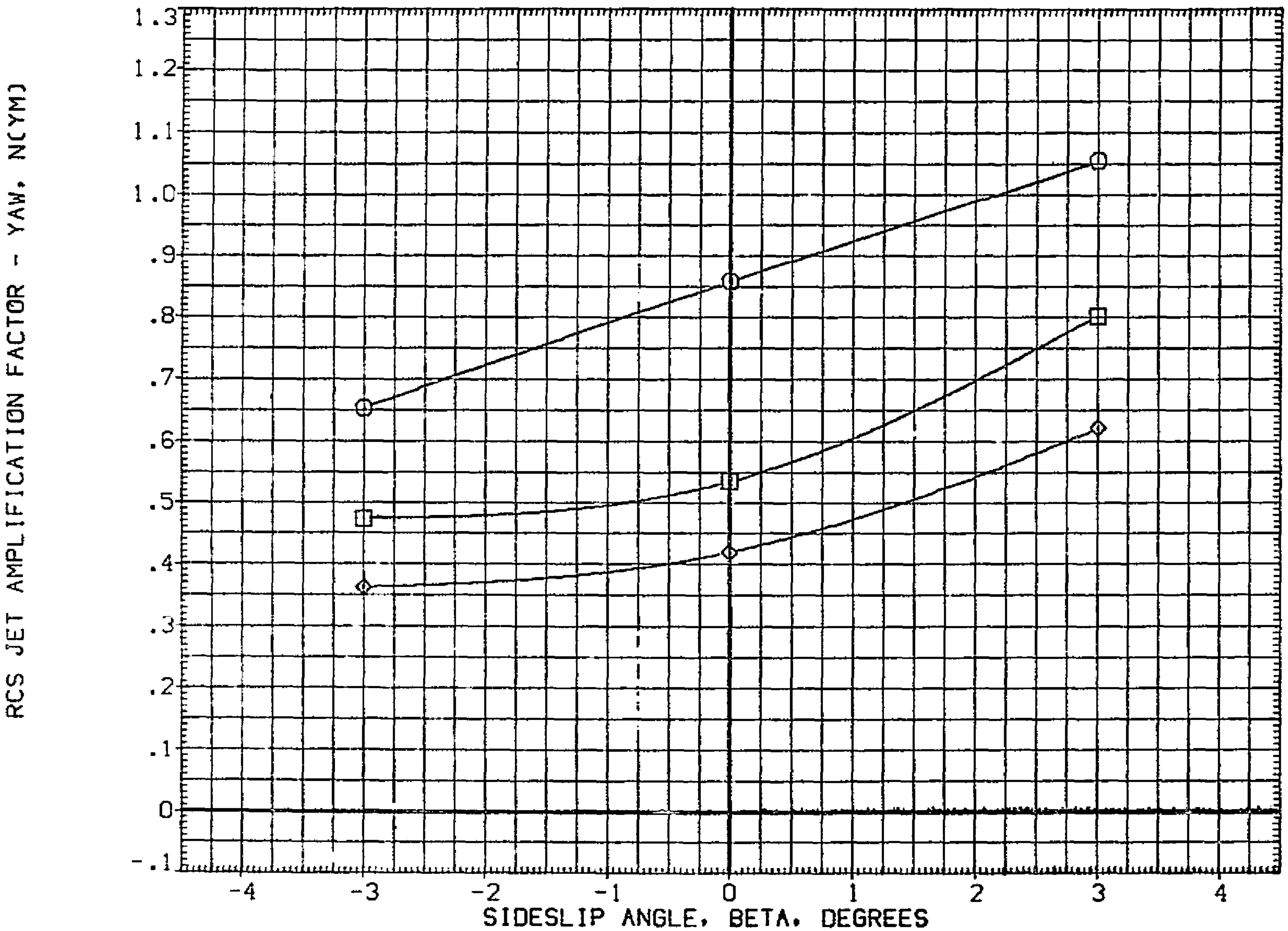

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

0IN84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

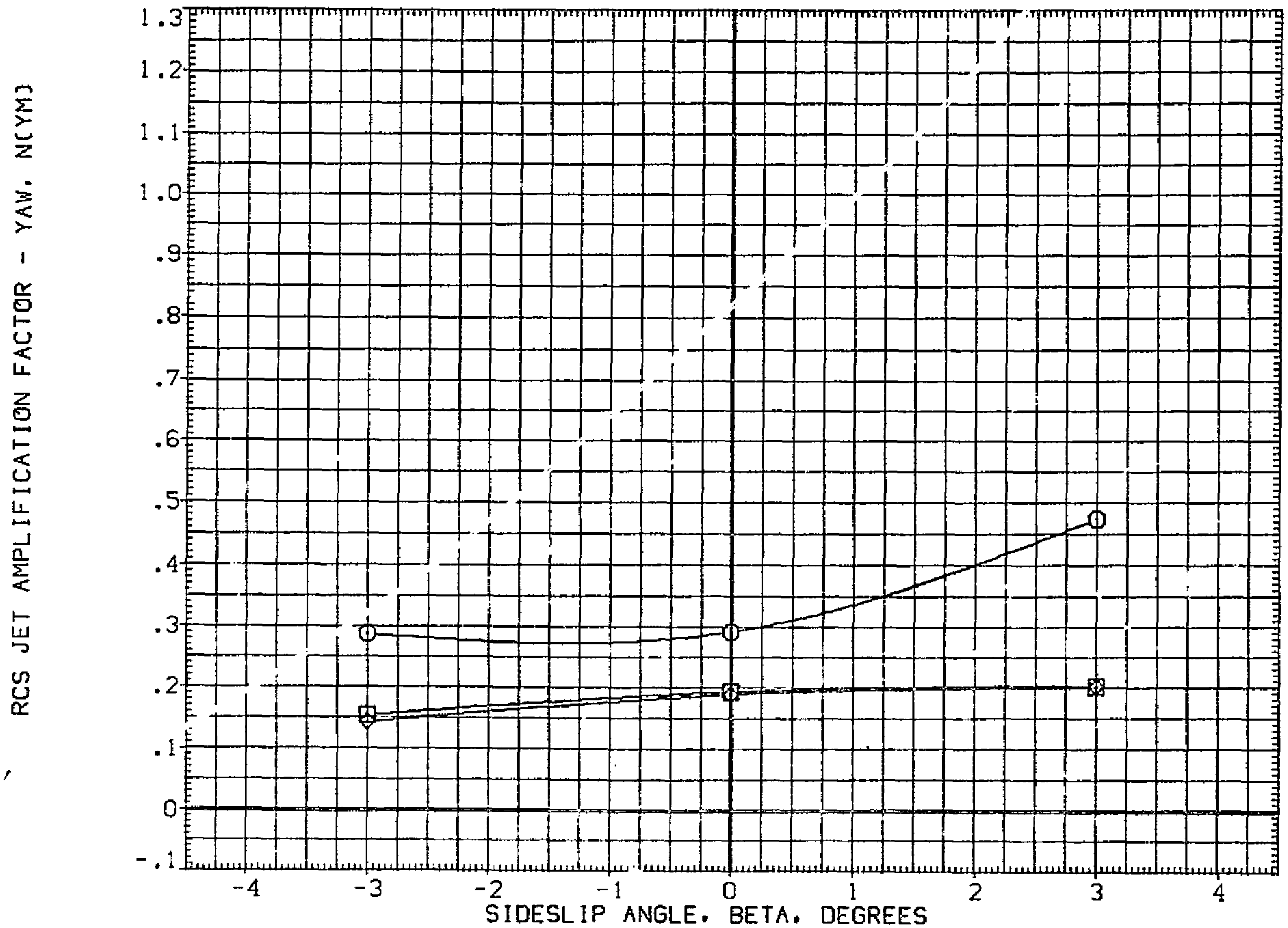

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

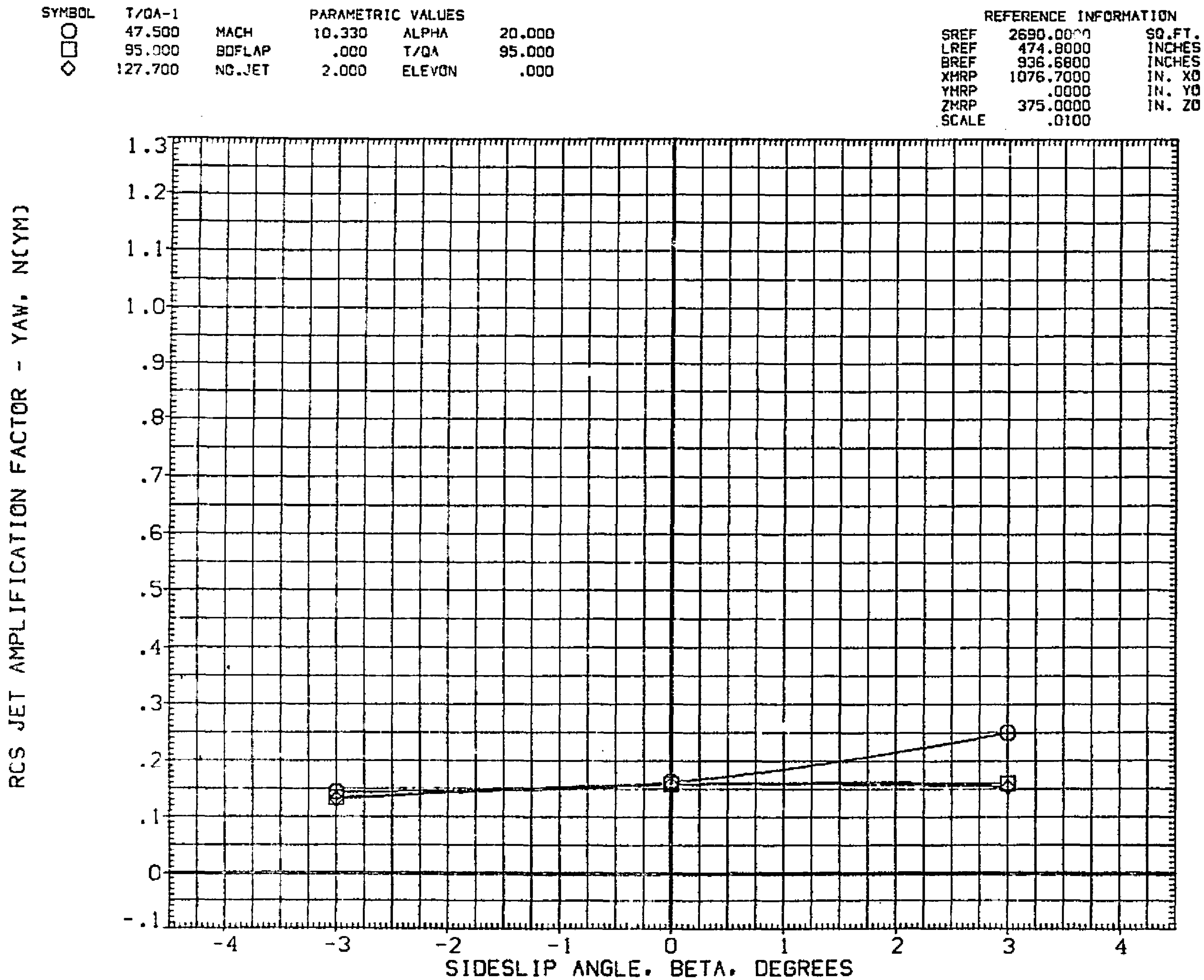

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

SYMBOL	T/QA-1
○	47.500
□	95.000
◇	127.700

PARAMETRIC VALUES

MACH	10.330	ALPHA	35.000
BDFLAP	.000	T/QA	95.000
NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

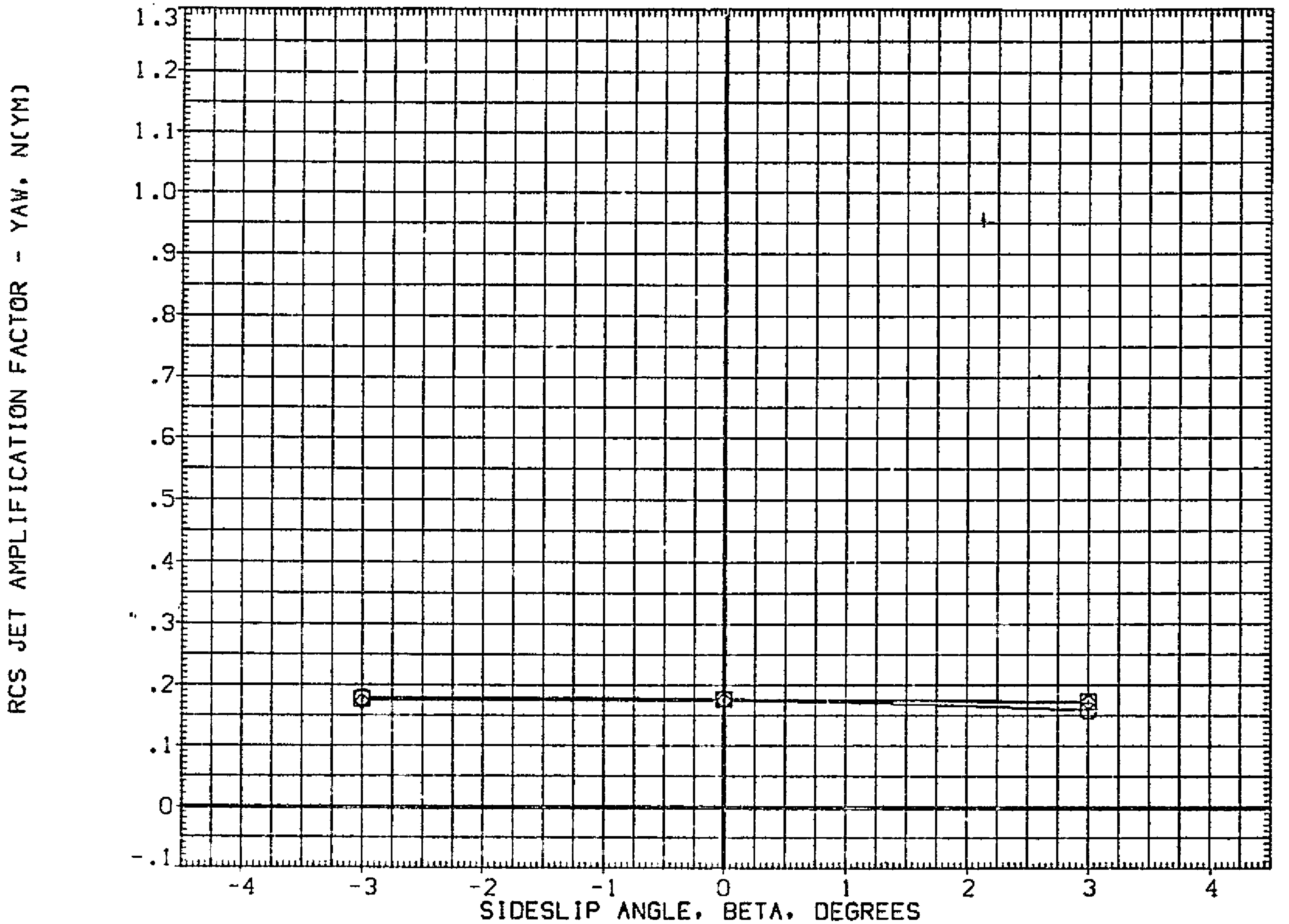

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

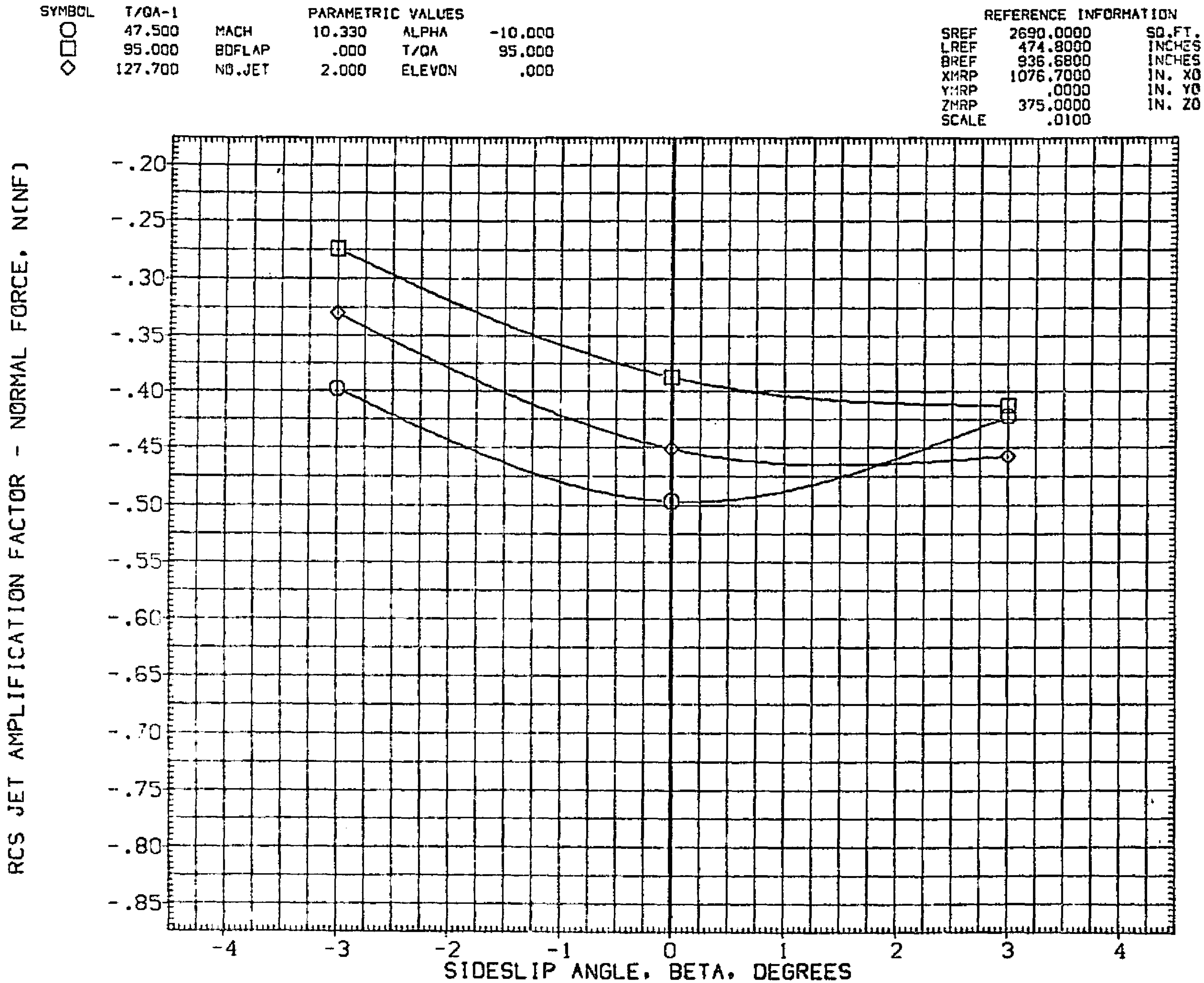

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/OA-1		PARAMETRIC VALUES		
○	47.500	MACH	10.330	ALPHA	.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

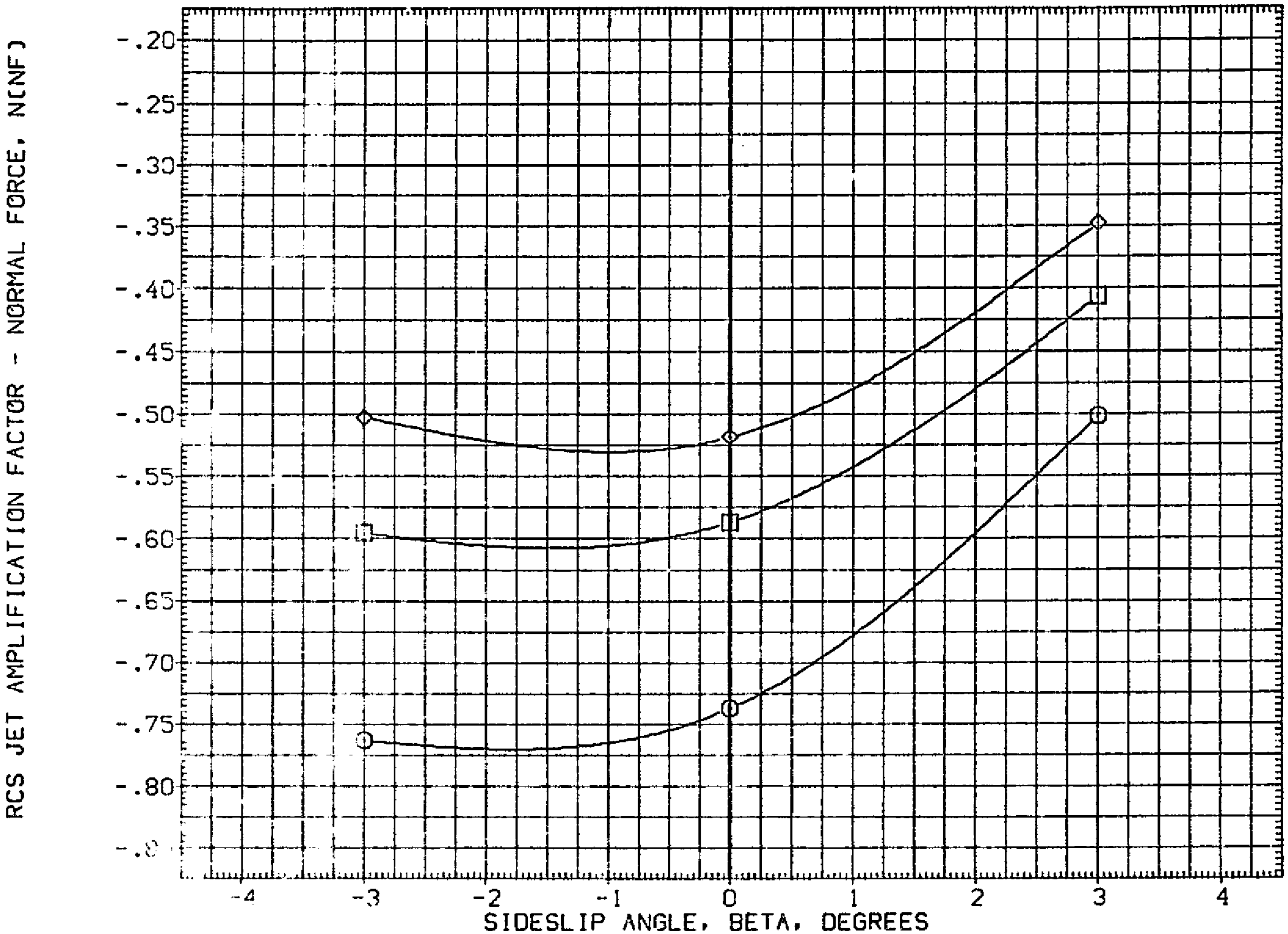

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

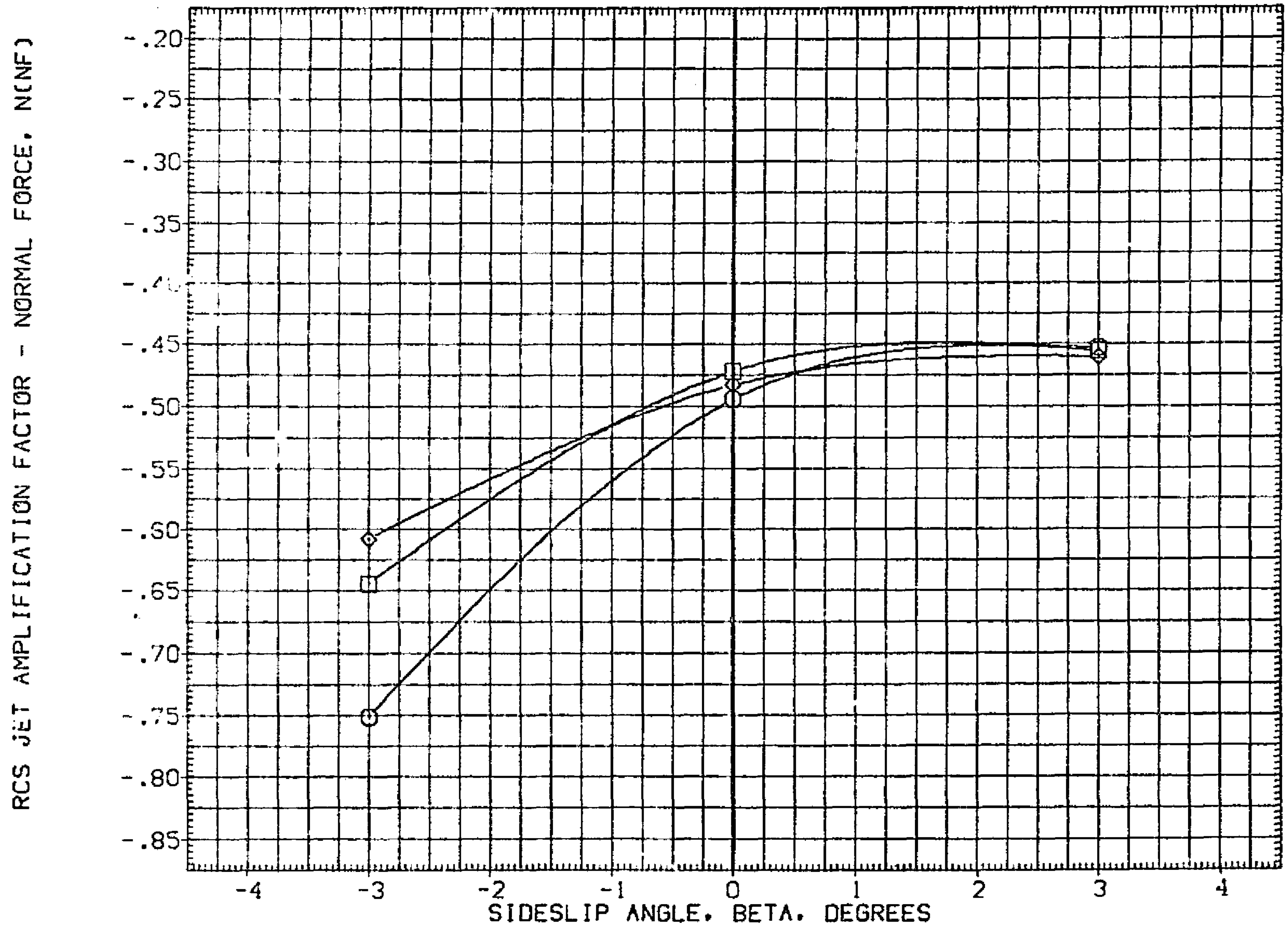

FIGURE 92. AMPLIFICATION FACT?? IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/QA-I	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

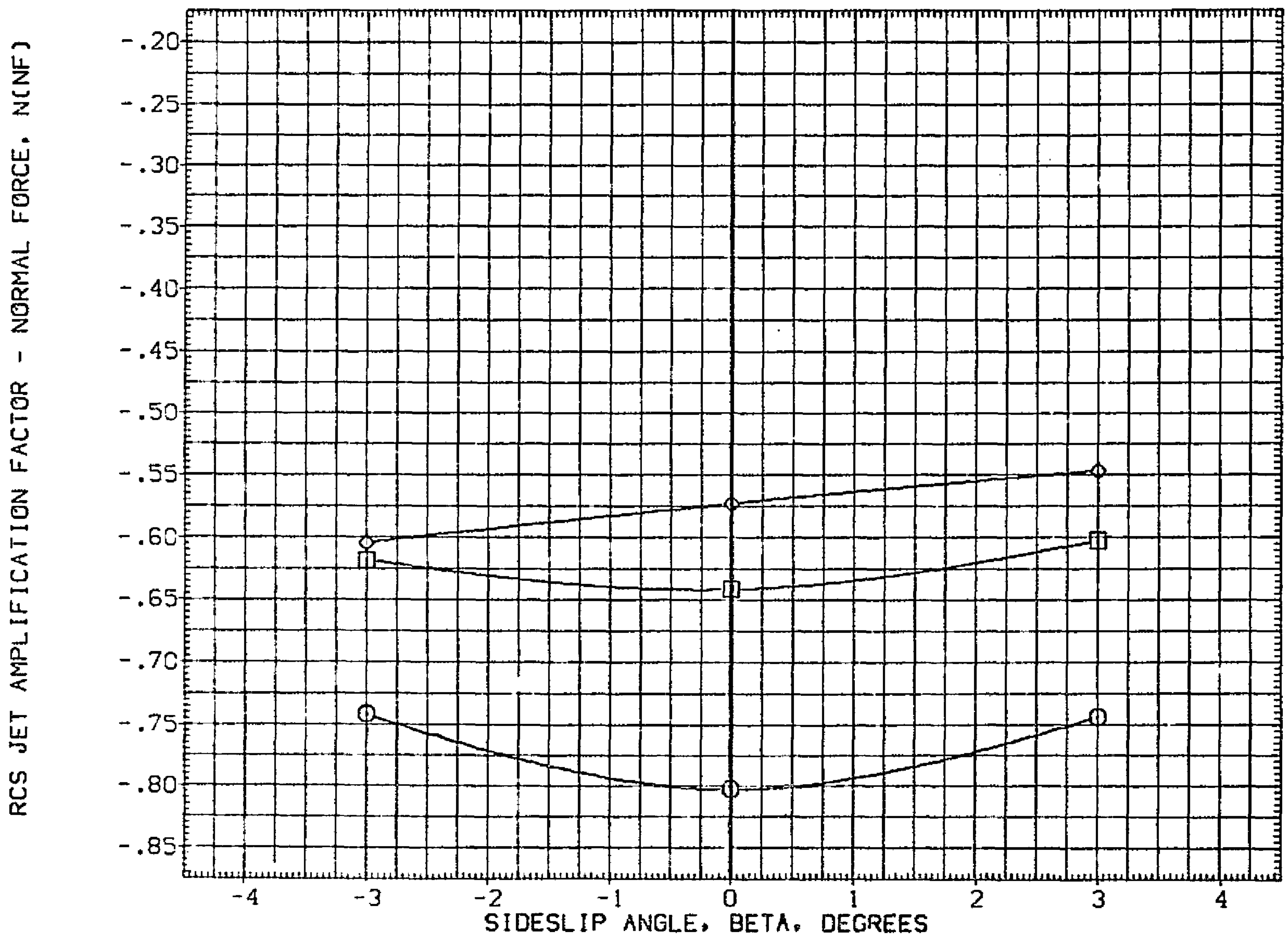

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	35.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

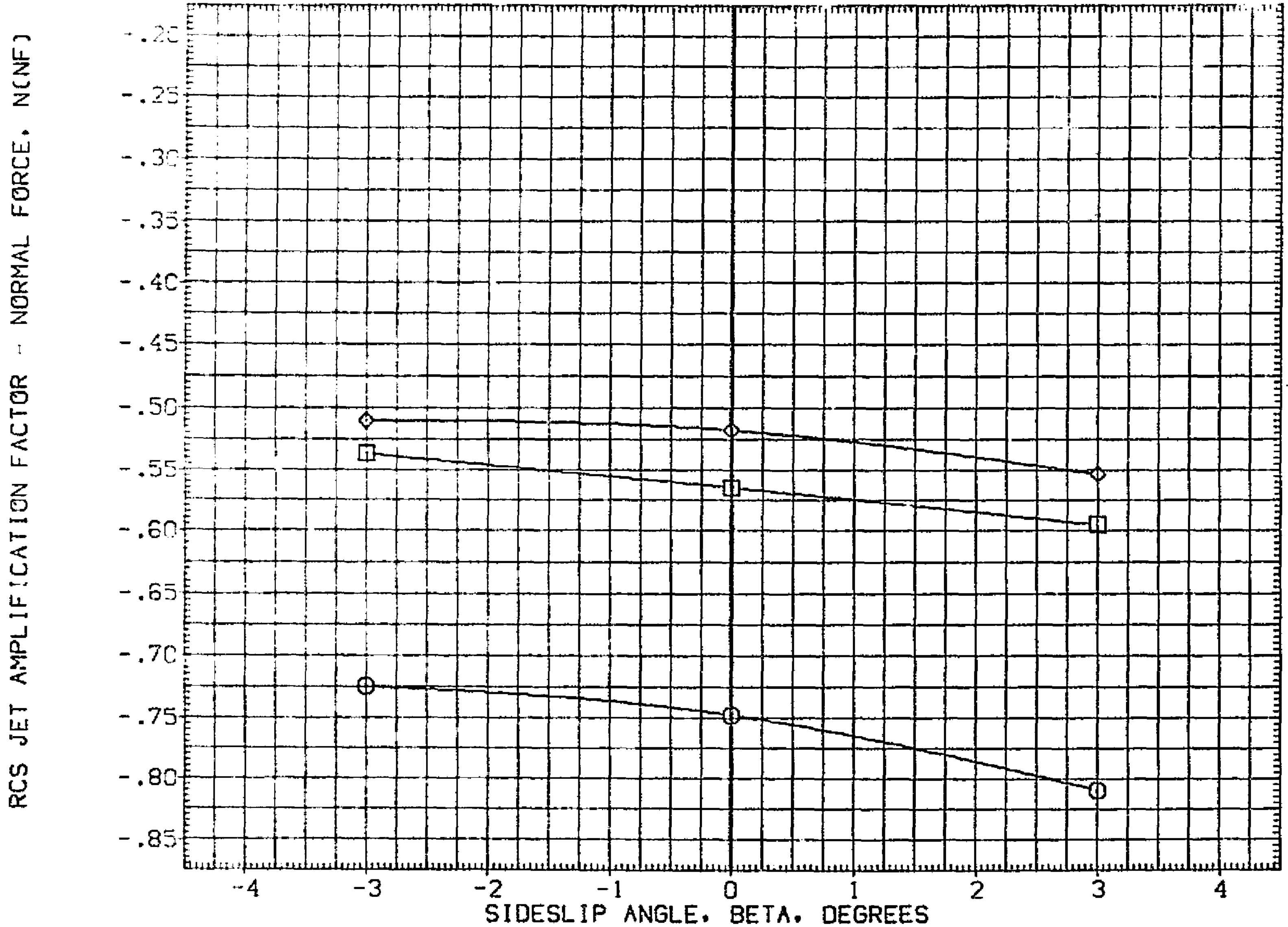

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA 22) (FJA094)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	-10.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

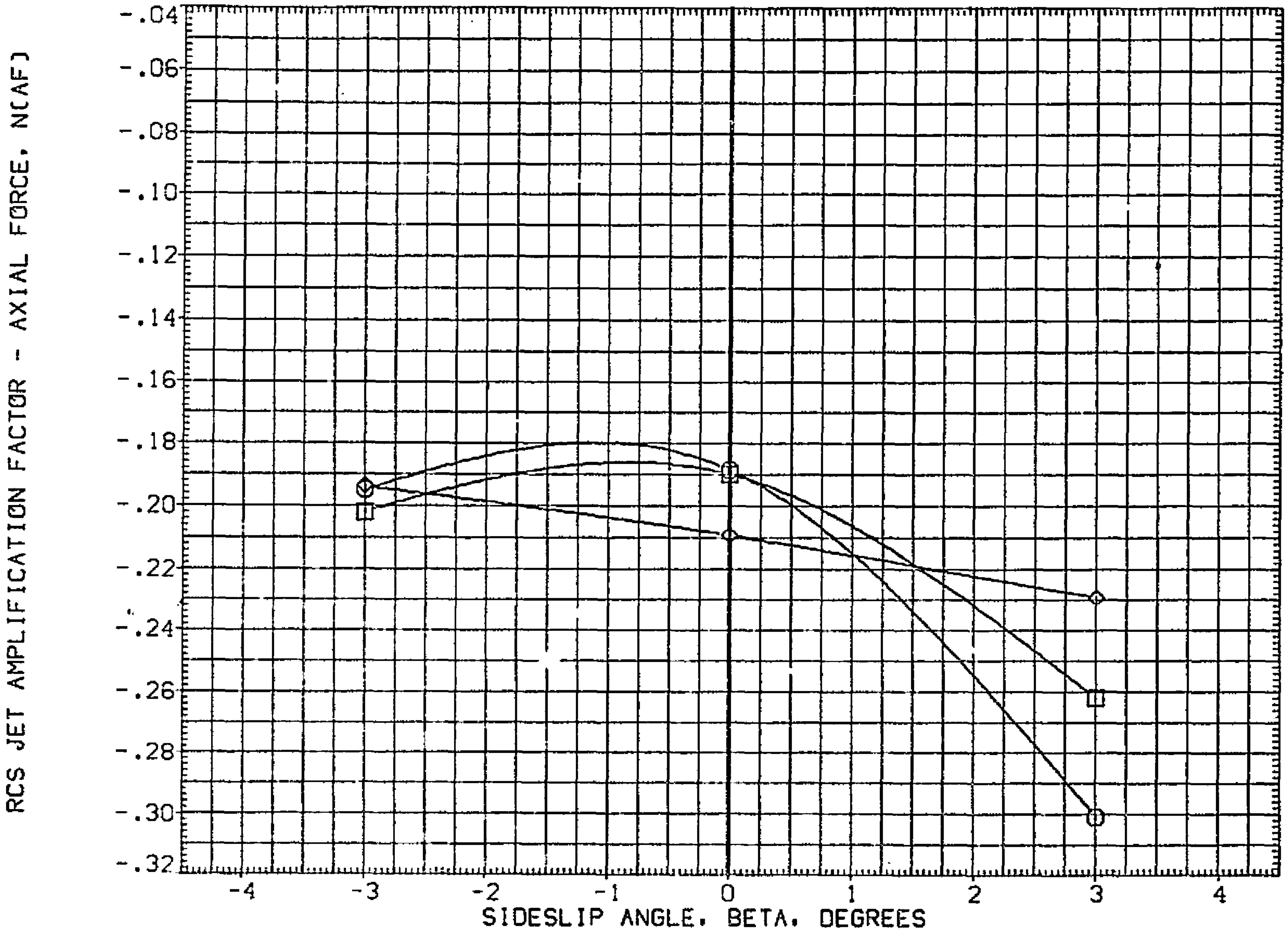

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

SYMBOL	T/OA-1
○	47.500
□	95.000
◇	127.700

PARAMETRIC VALUES

MACH	10.330	ALPHA	.000
BDFLAP	.000	T/OA	95.000
NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

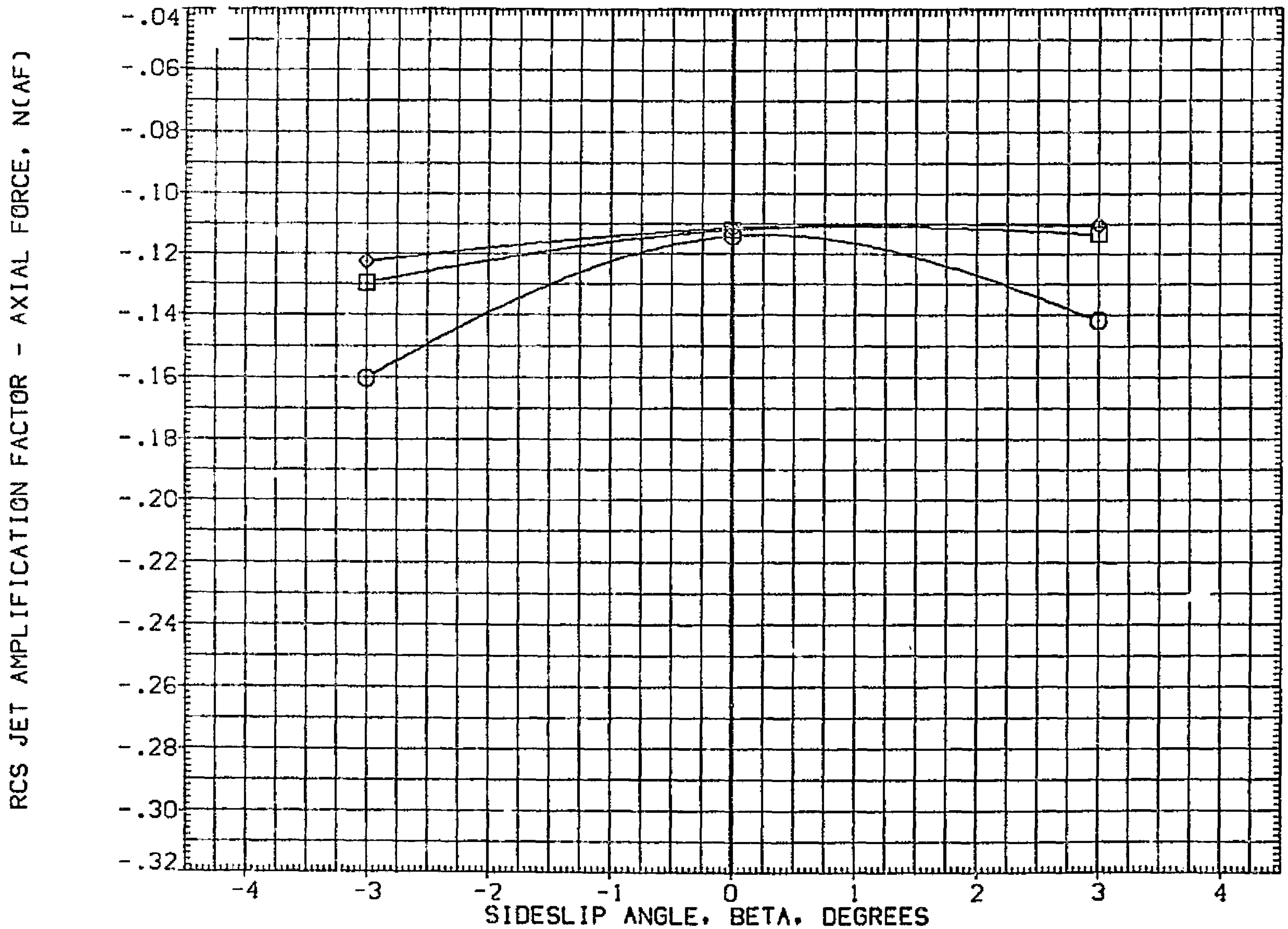

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

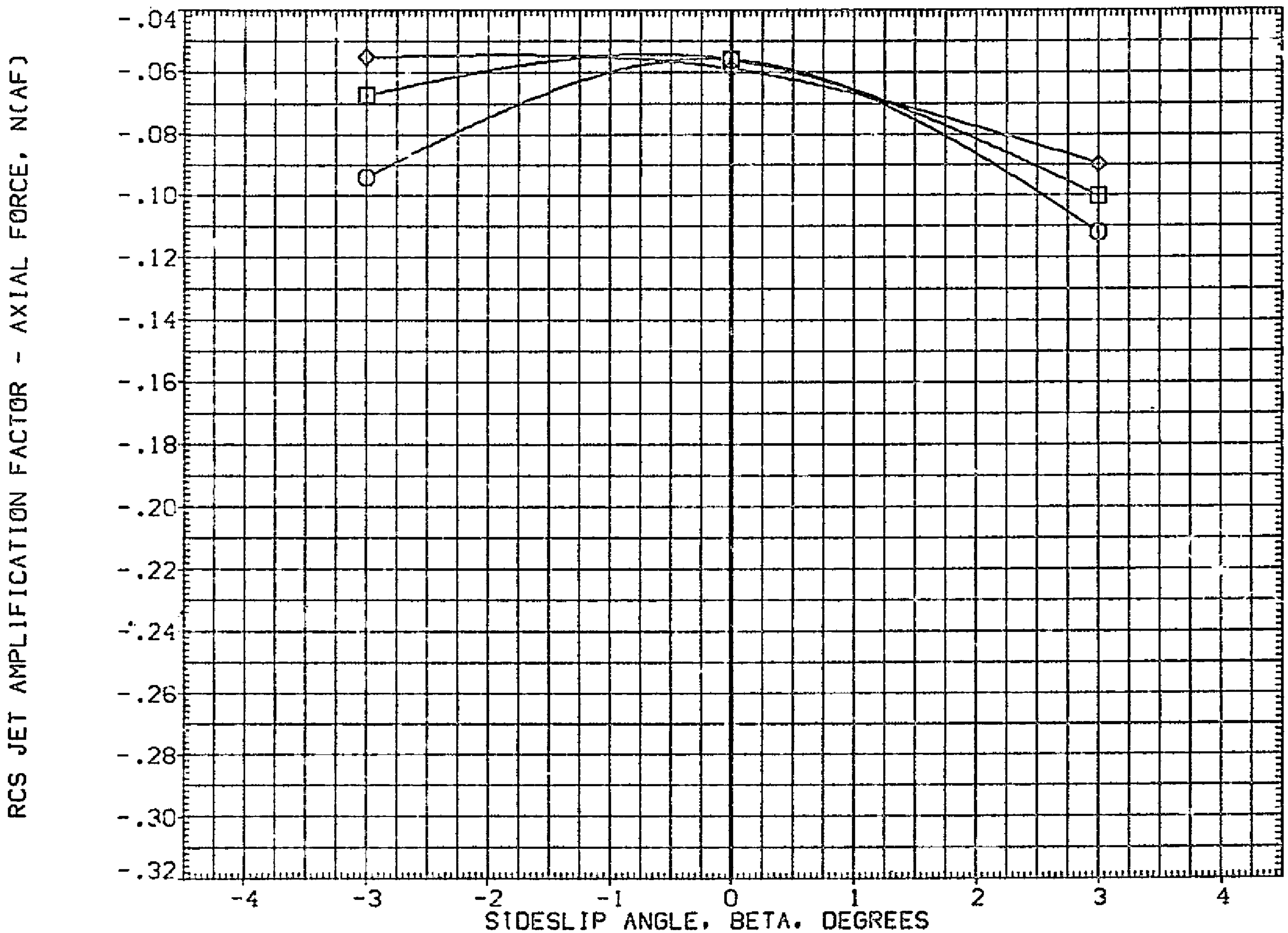

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

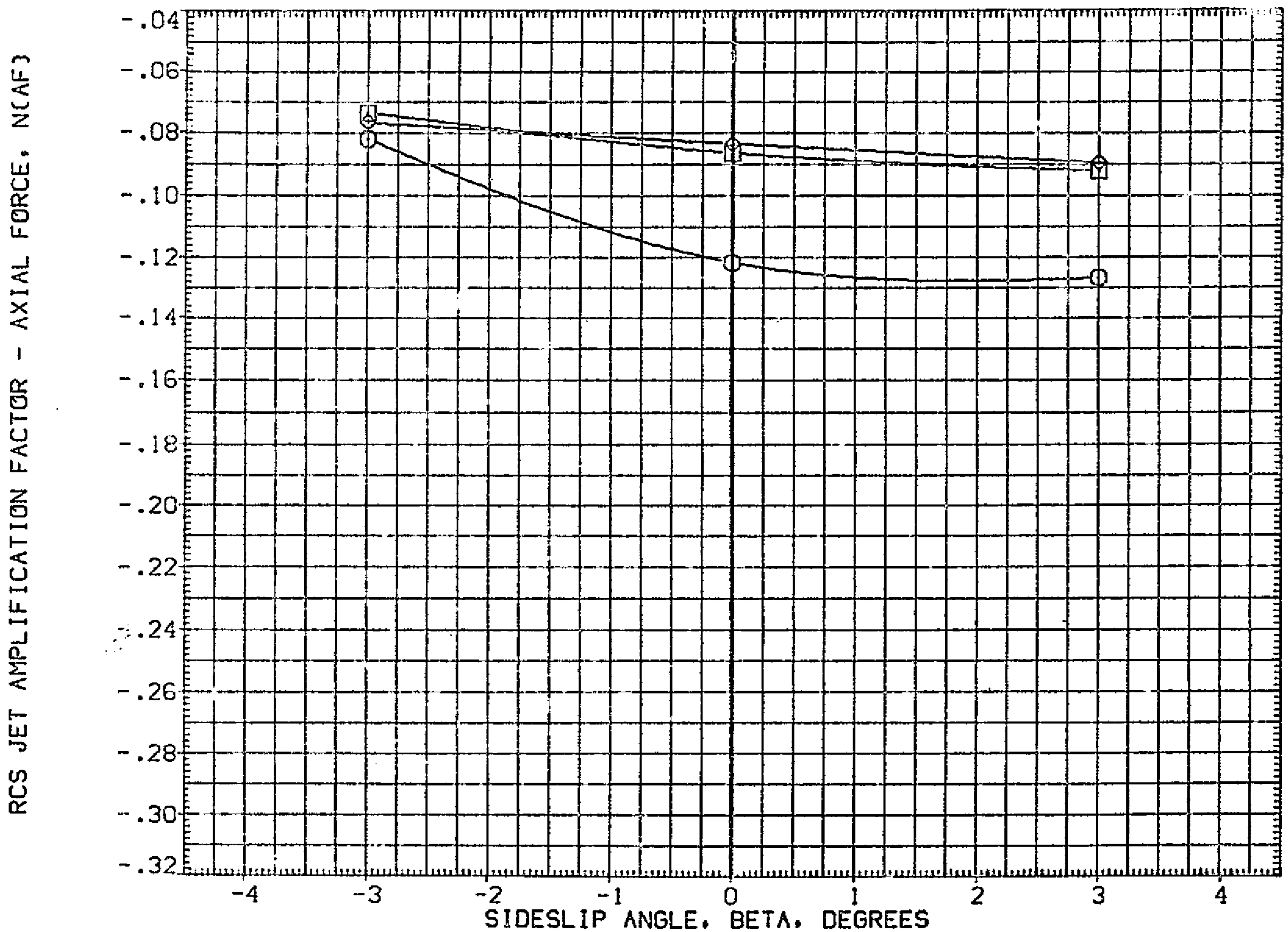

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

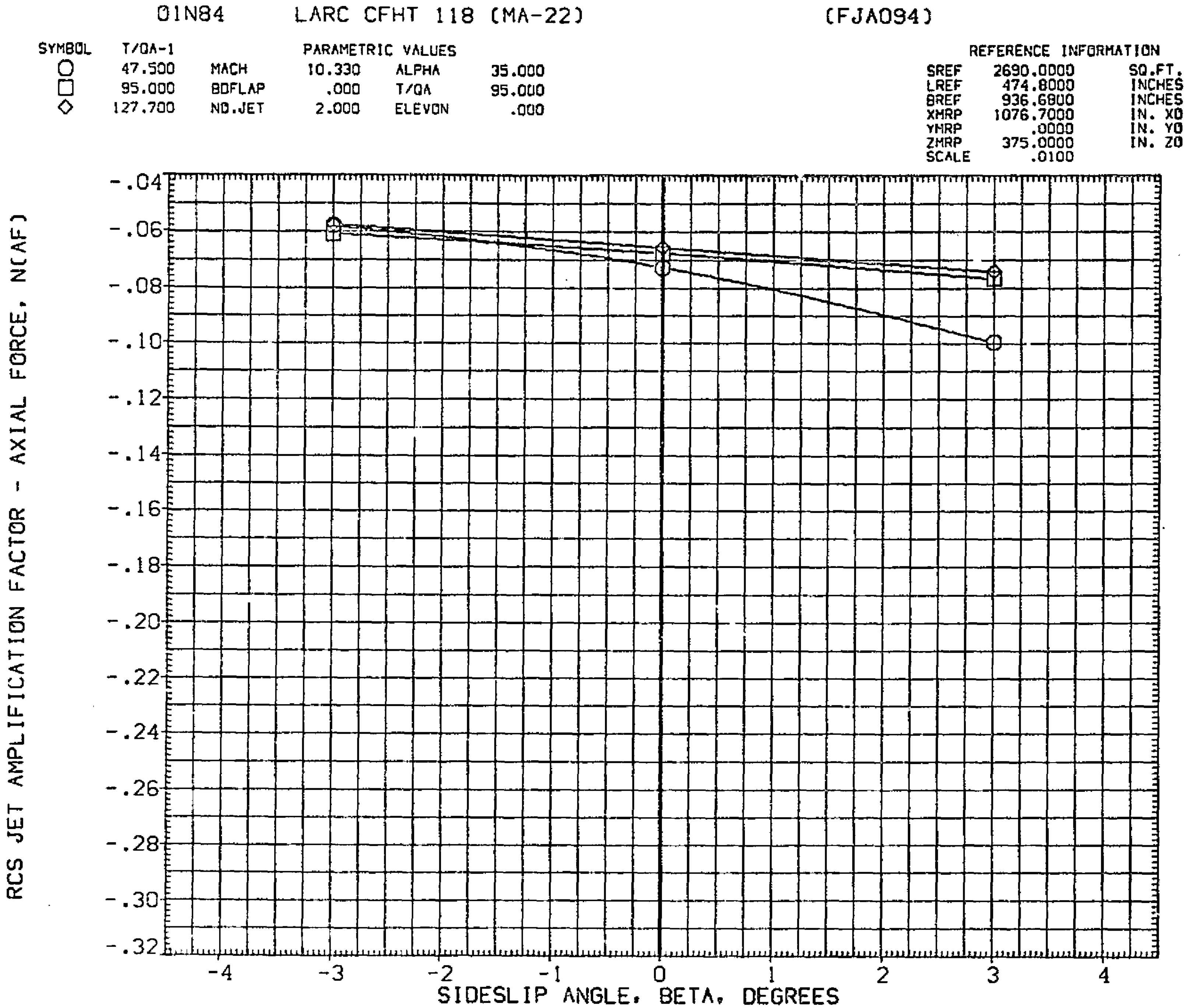

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

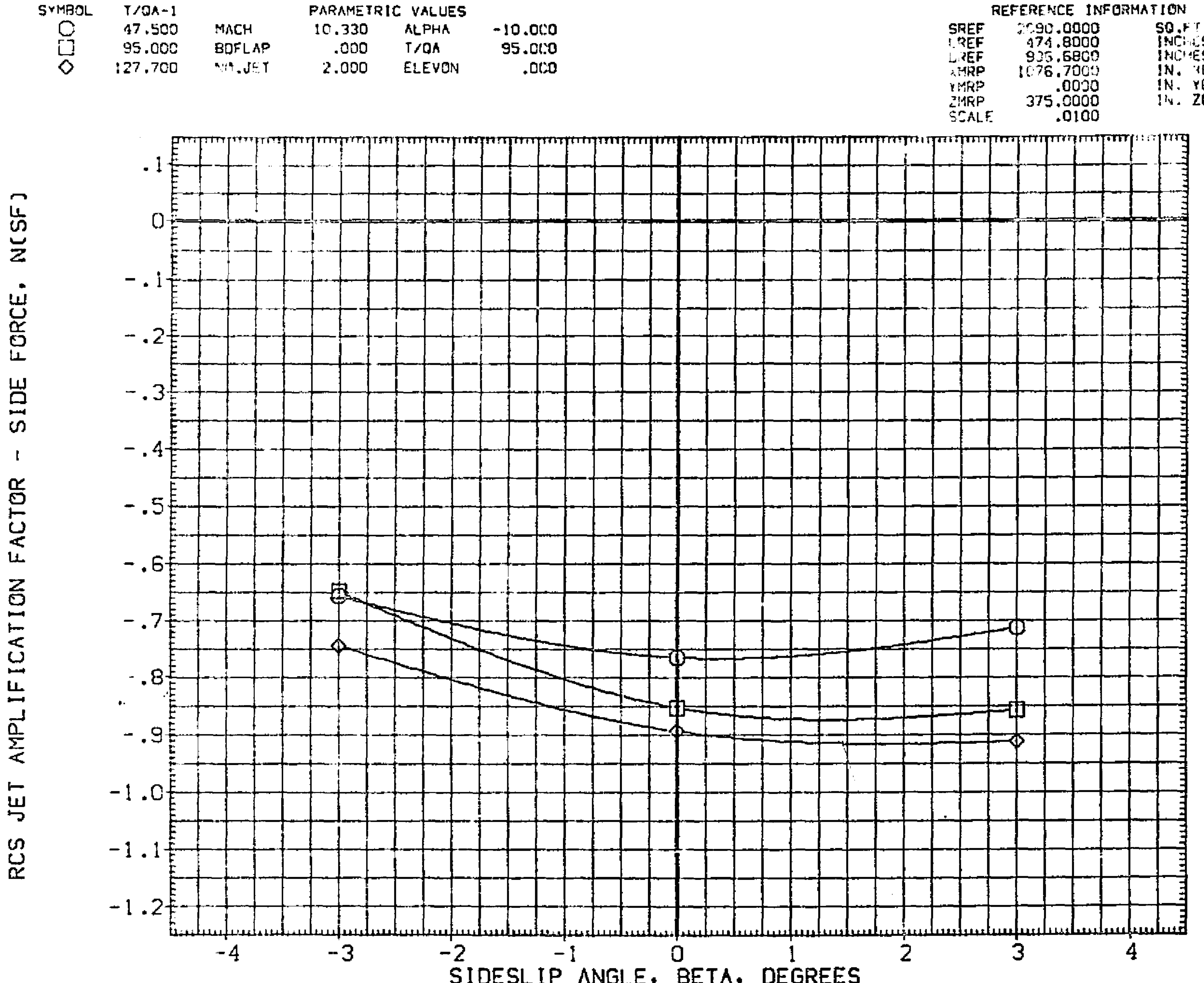

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

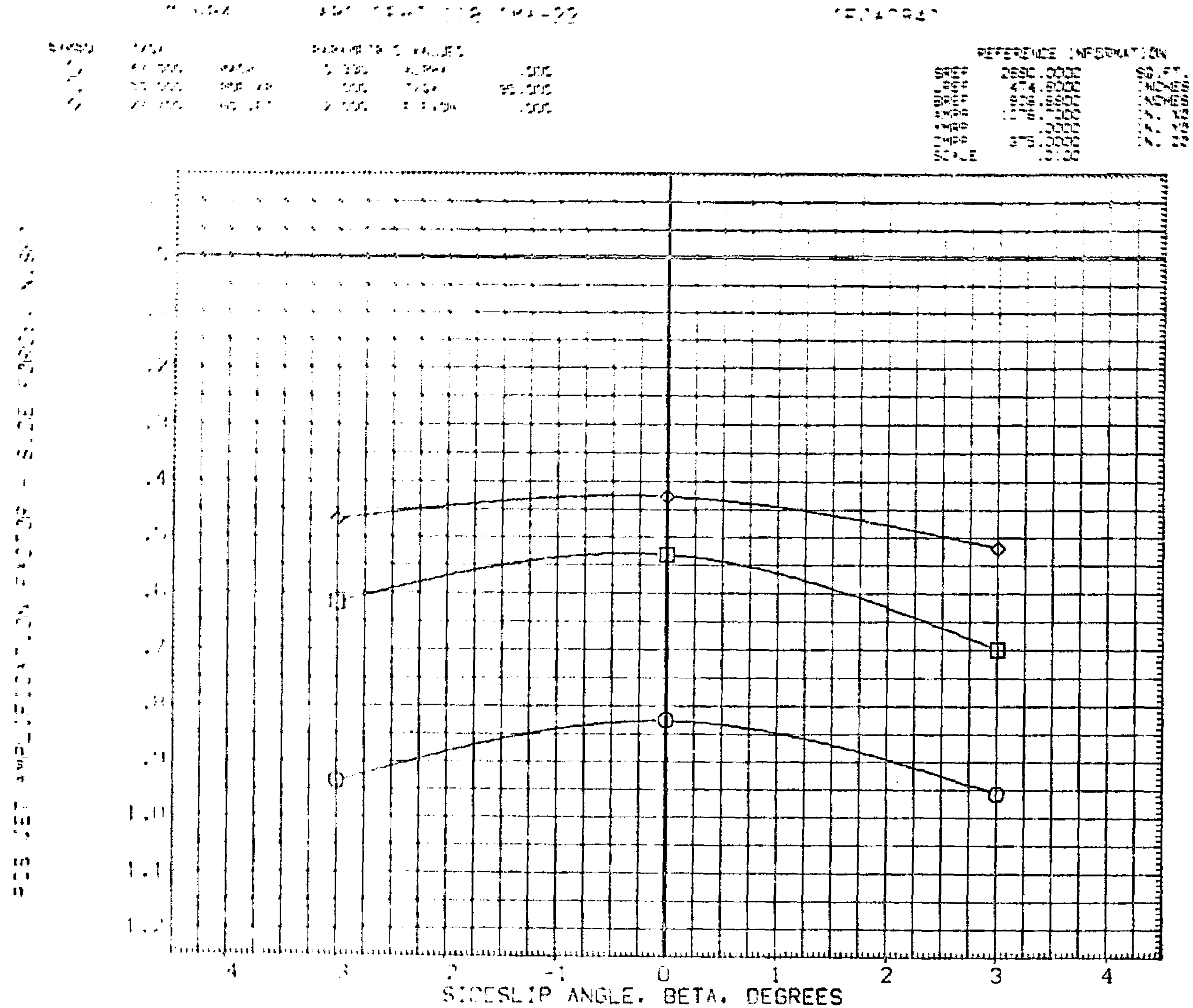

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

SYMBOL	T/QA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	10.000
□	95.000	BDFLAP	.000	T/QA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

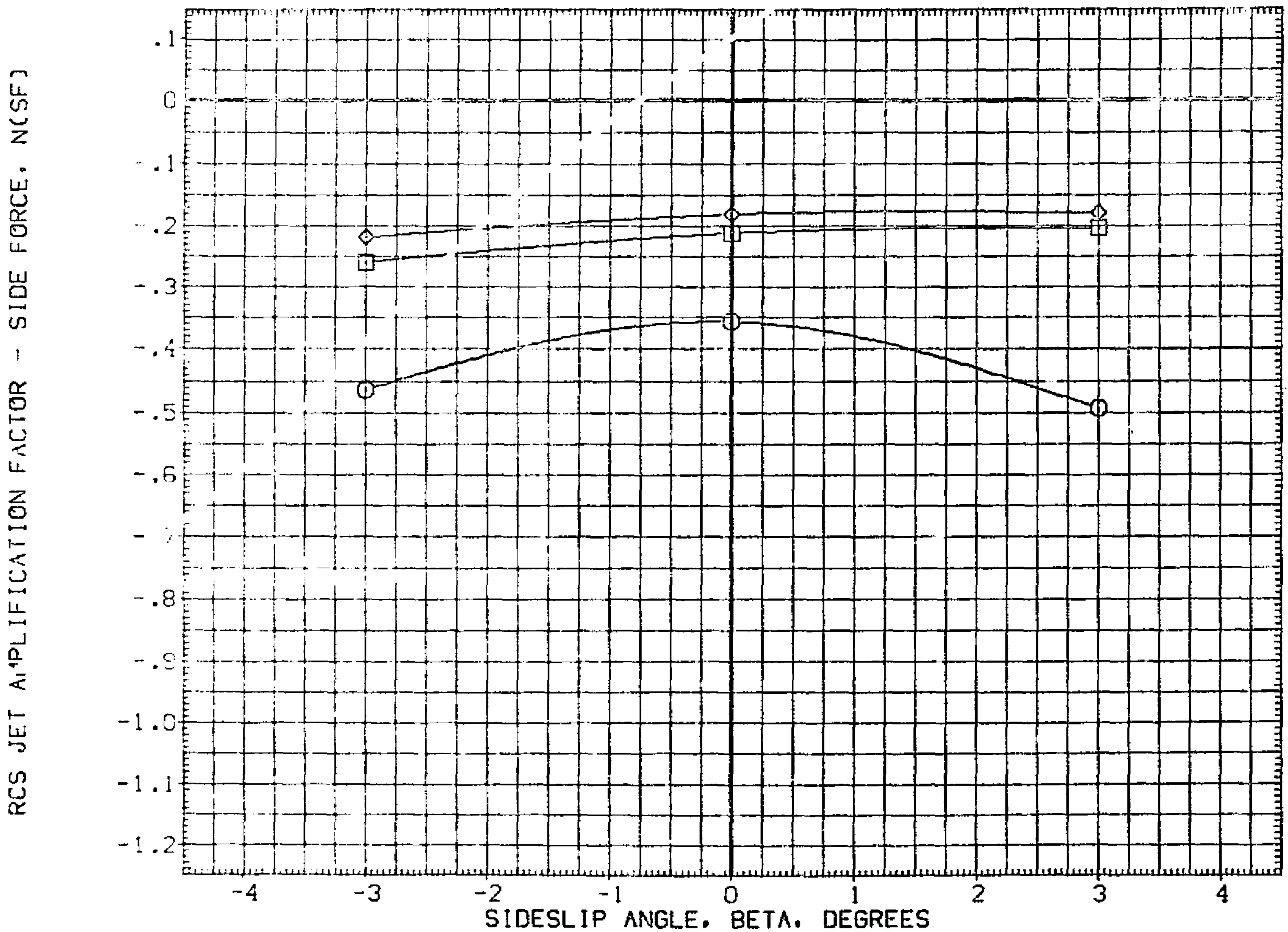

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

0IN84 LARC CFHT 118 (MA-22) (FJA094)

SYMBOL	T/OA-1	PARAMETRIC VALUES			
○	47.500	MACH	10.330	ALPHA	20.000
□	95.000	BDFLAP	.000	T/OA	95.000
◇	127.700	NO.JET	2.000	ELEVON	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

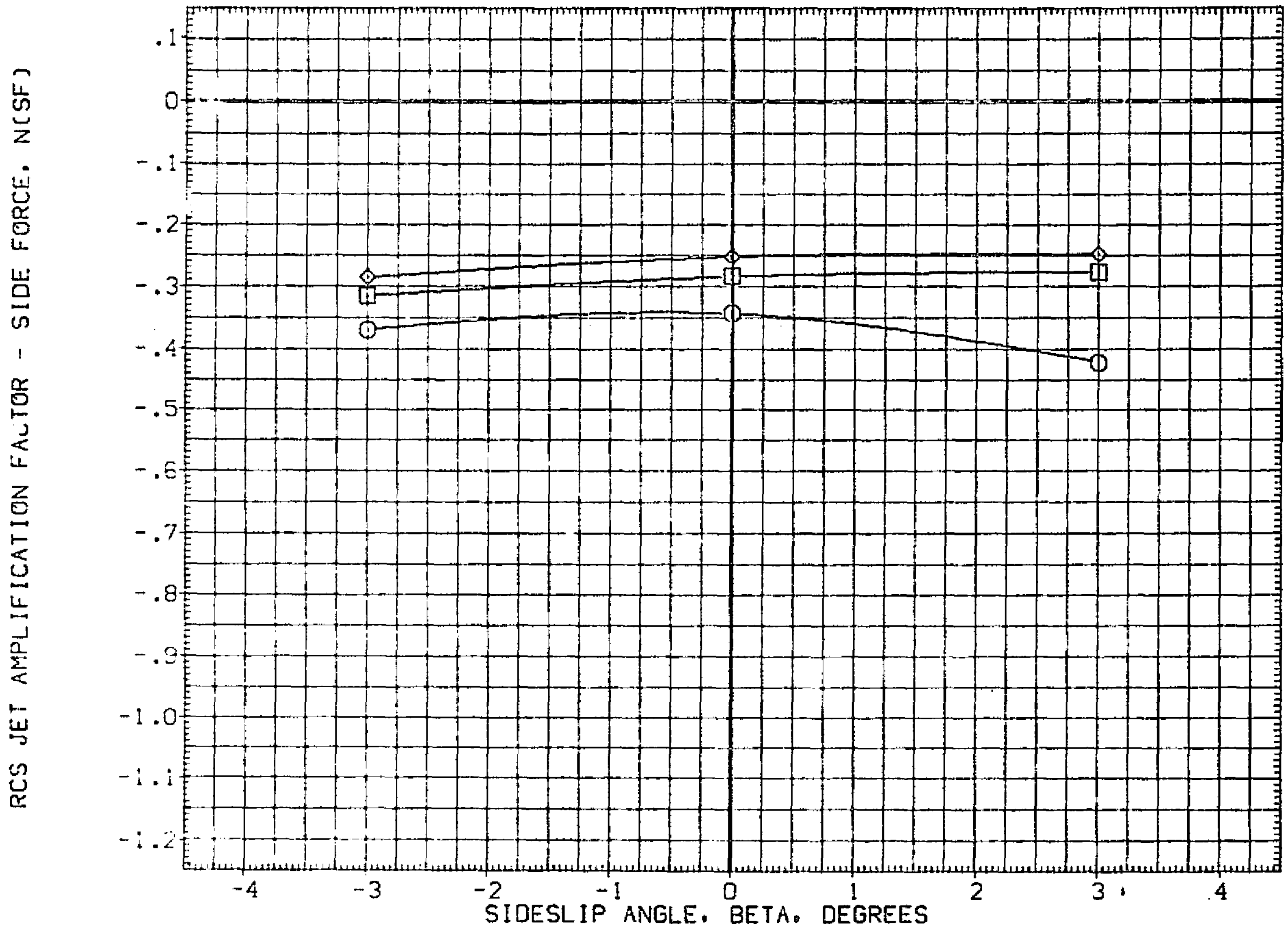

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

01N84 LARC CFHT 118 (MA-22) (FJA094)

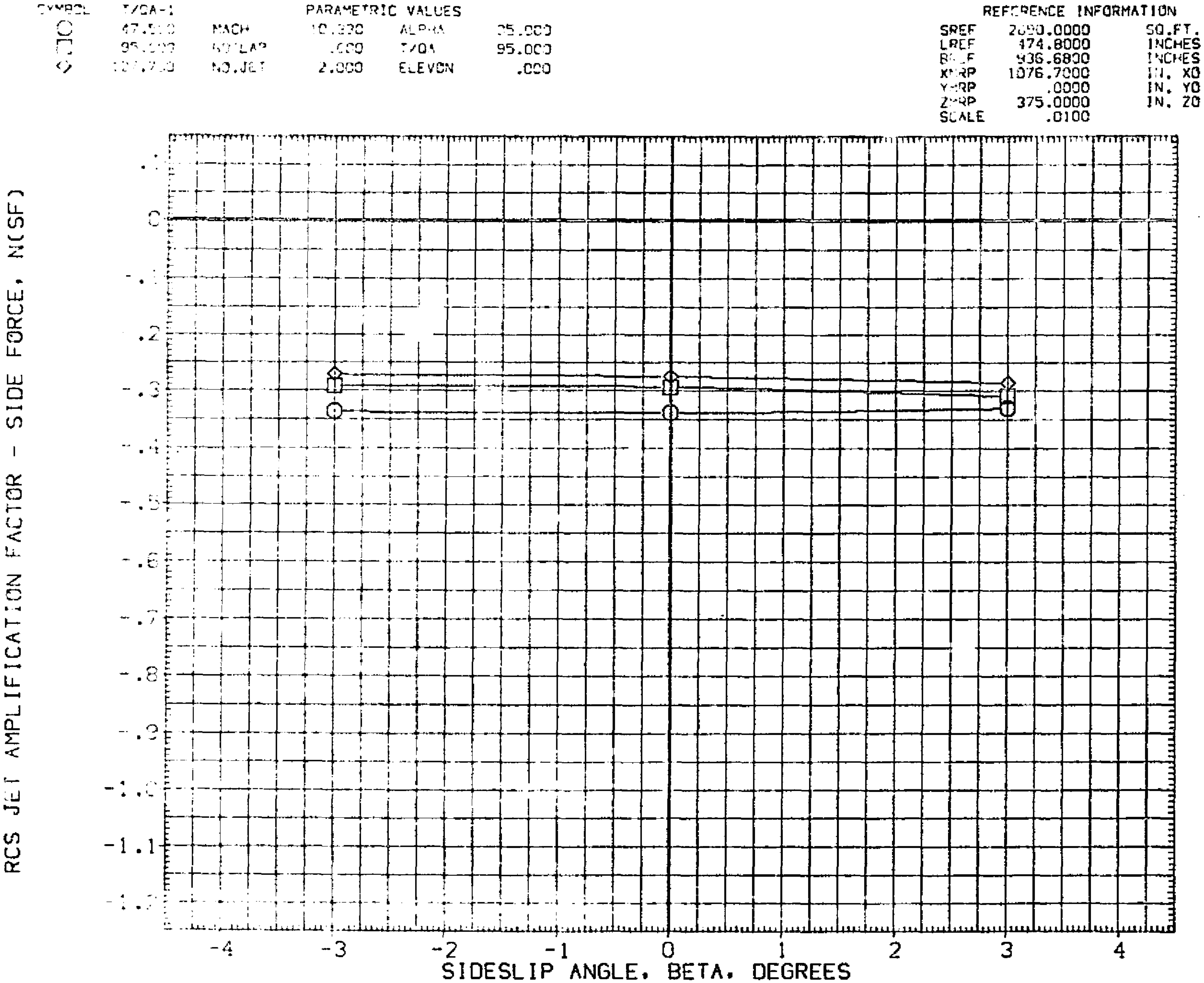

FIGURE 92. AMPLIFICATION FACTOR IN YAW, N84 JETS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 1:8 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 1:8 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 1:8 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 1:8 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

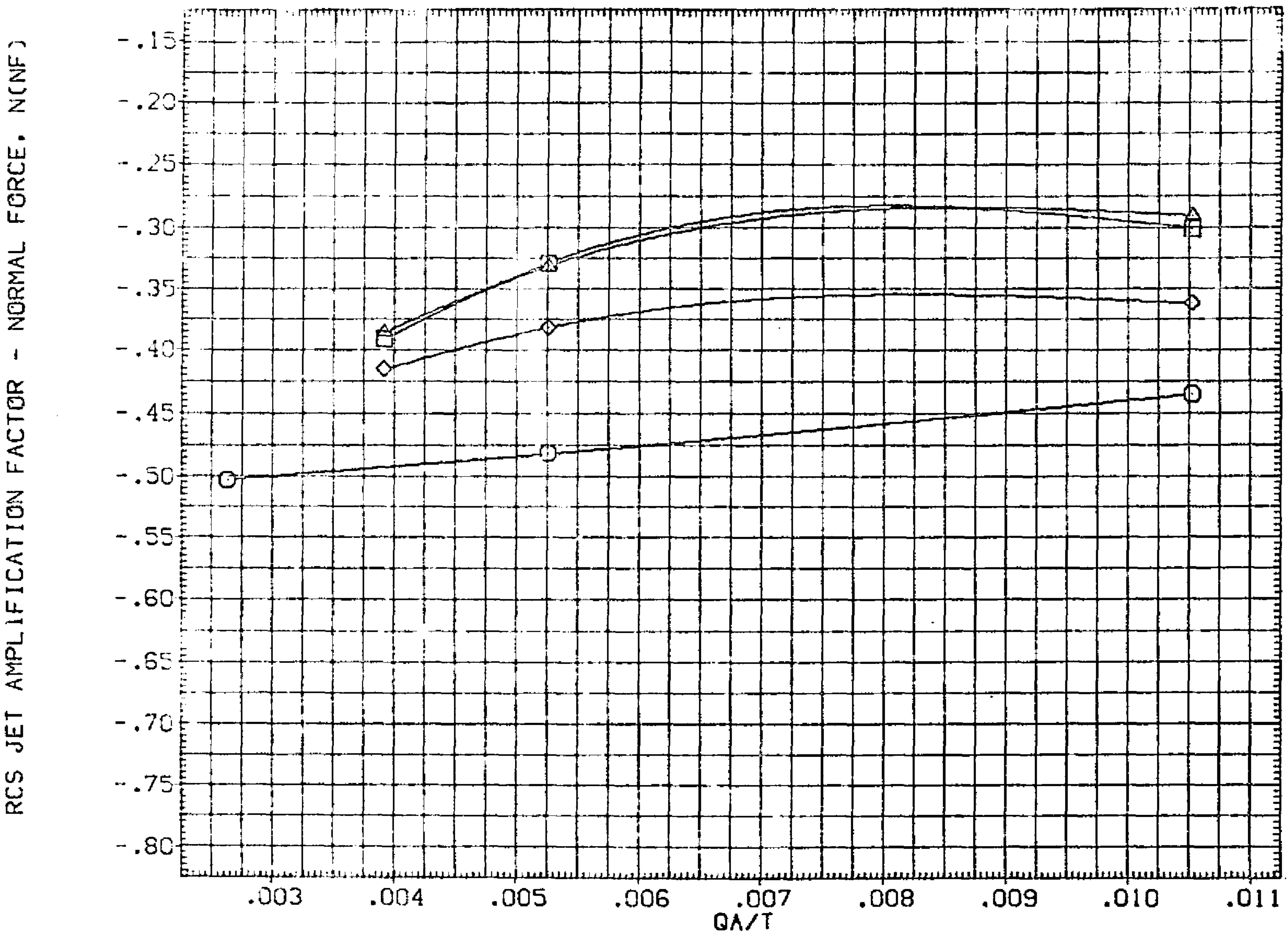

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS
(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

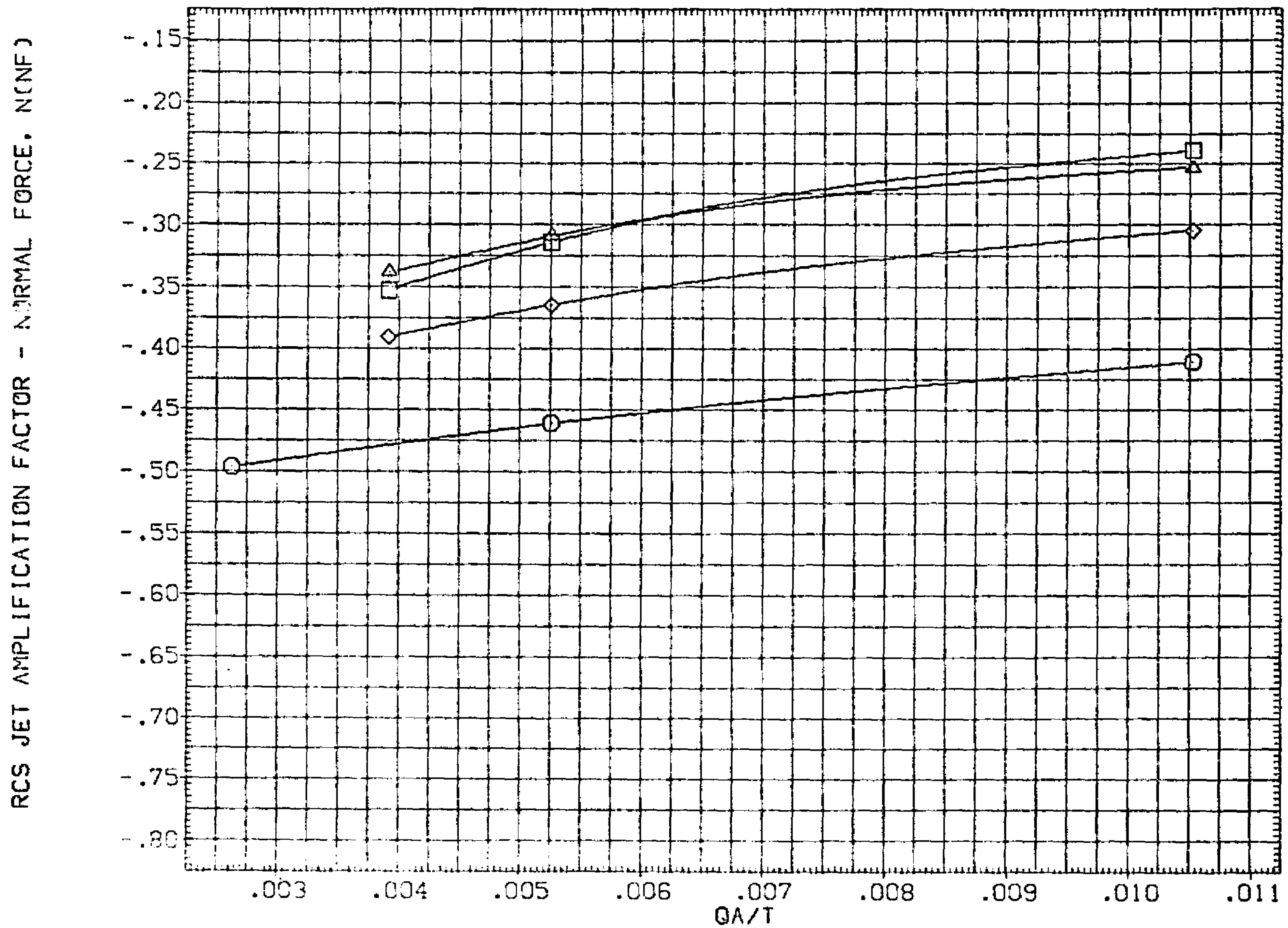

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

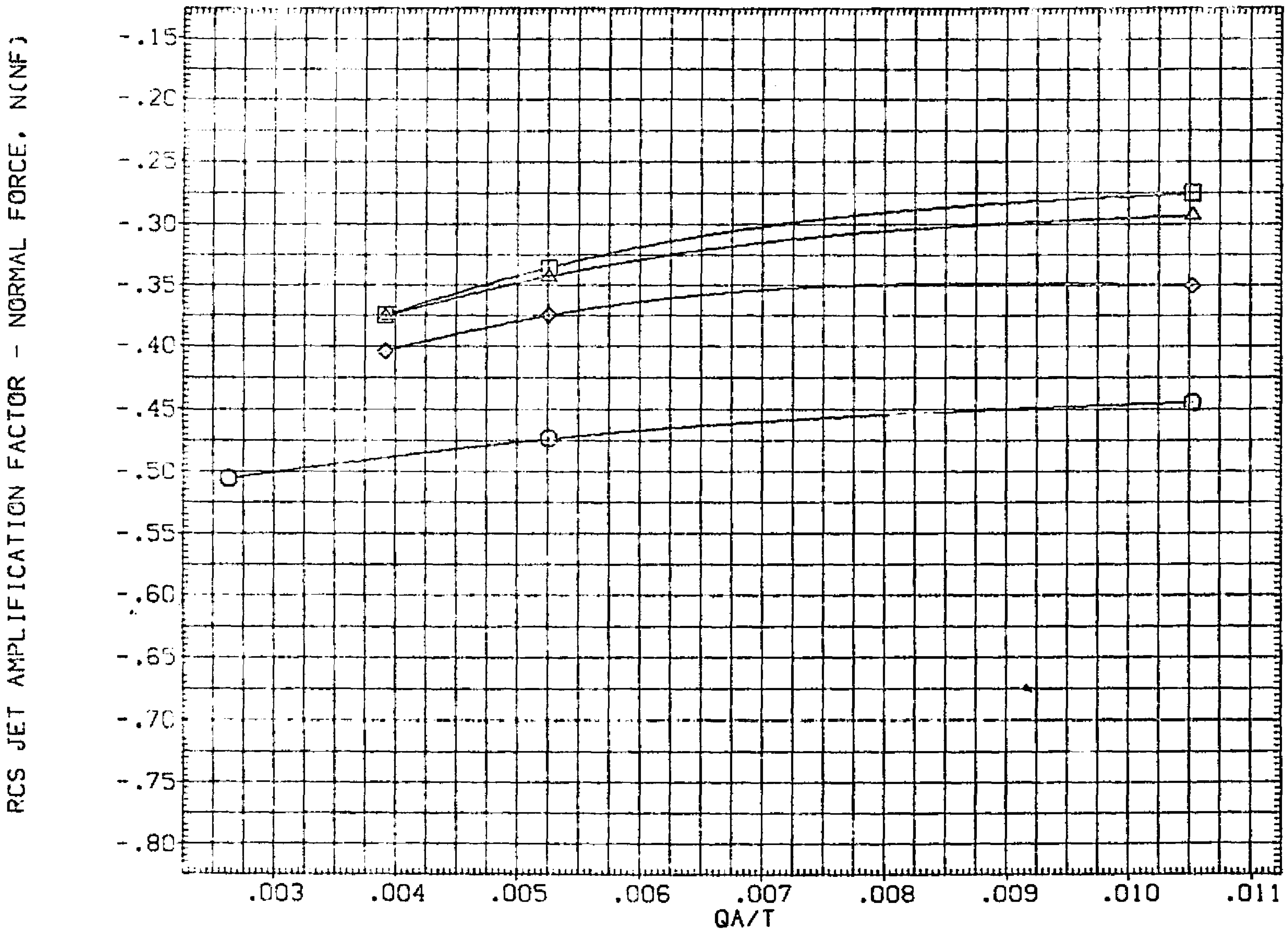

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)

ELEVON	NO.JET	BDFLAP	BETA
.000	2.000	.000	.000
.000	2.000	.000	.000
.000	2.000	.000	.000
.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

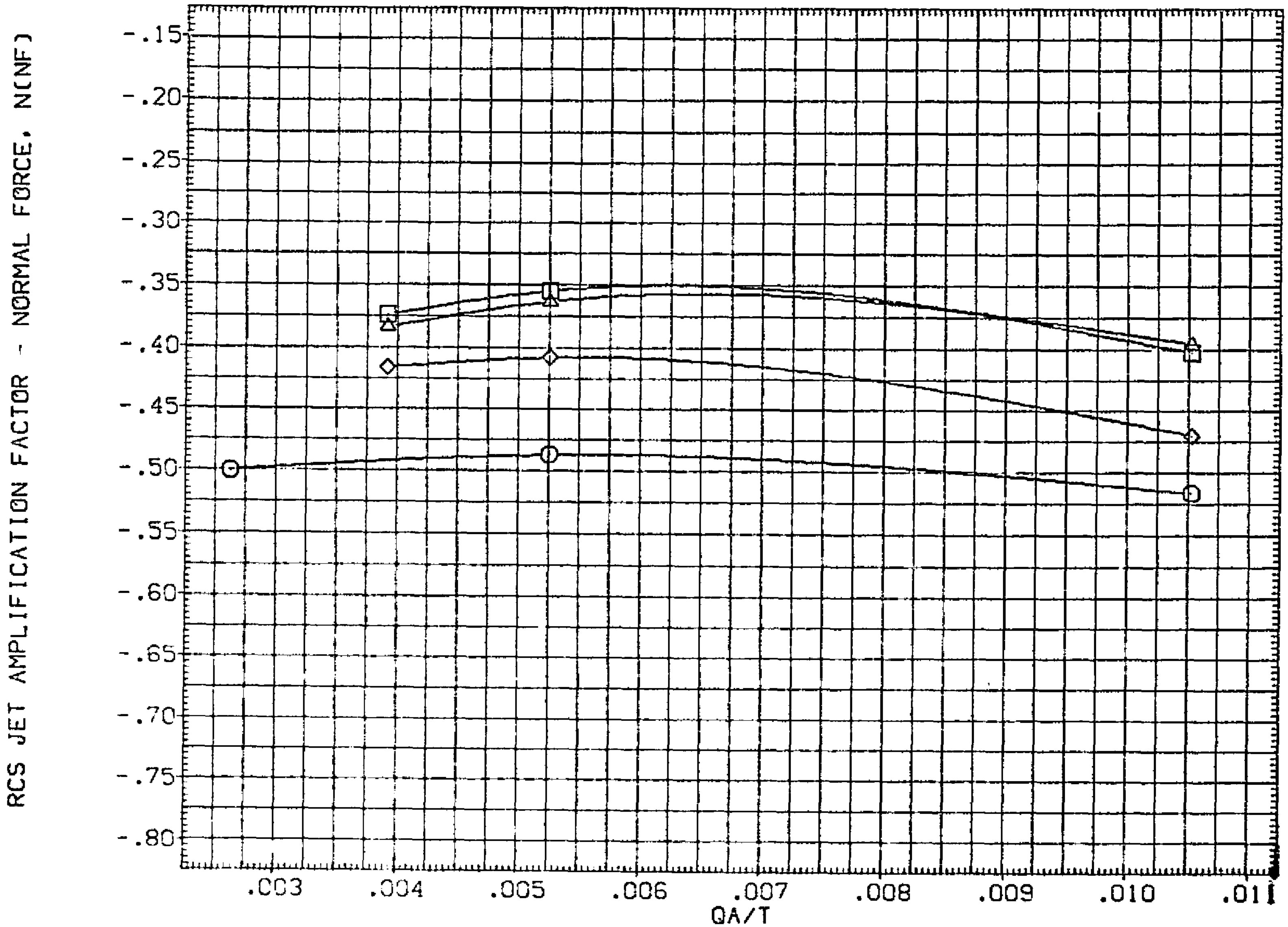

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	OIN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	OIN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	OIN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	OIN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

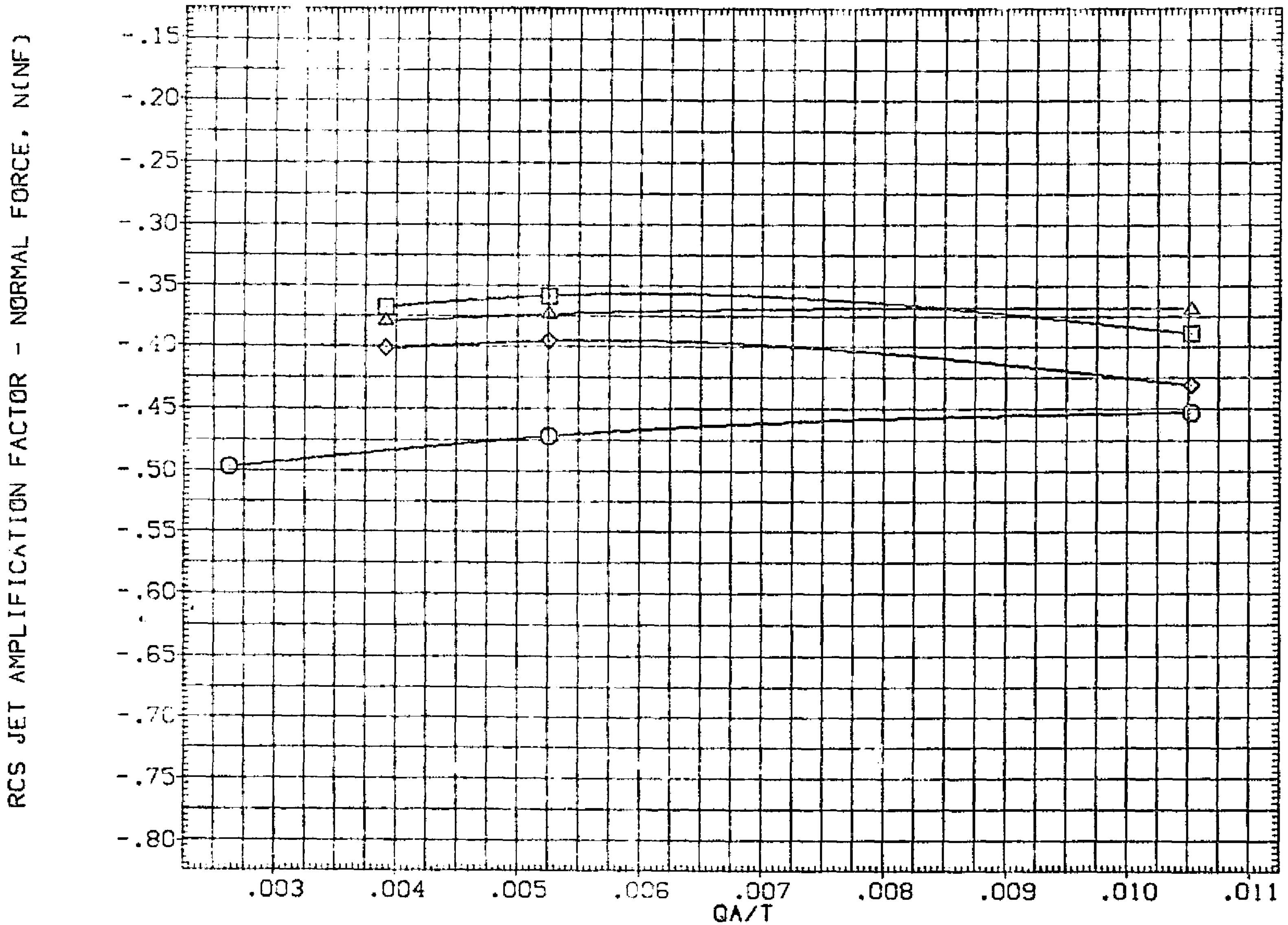

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

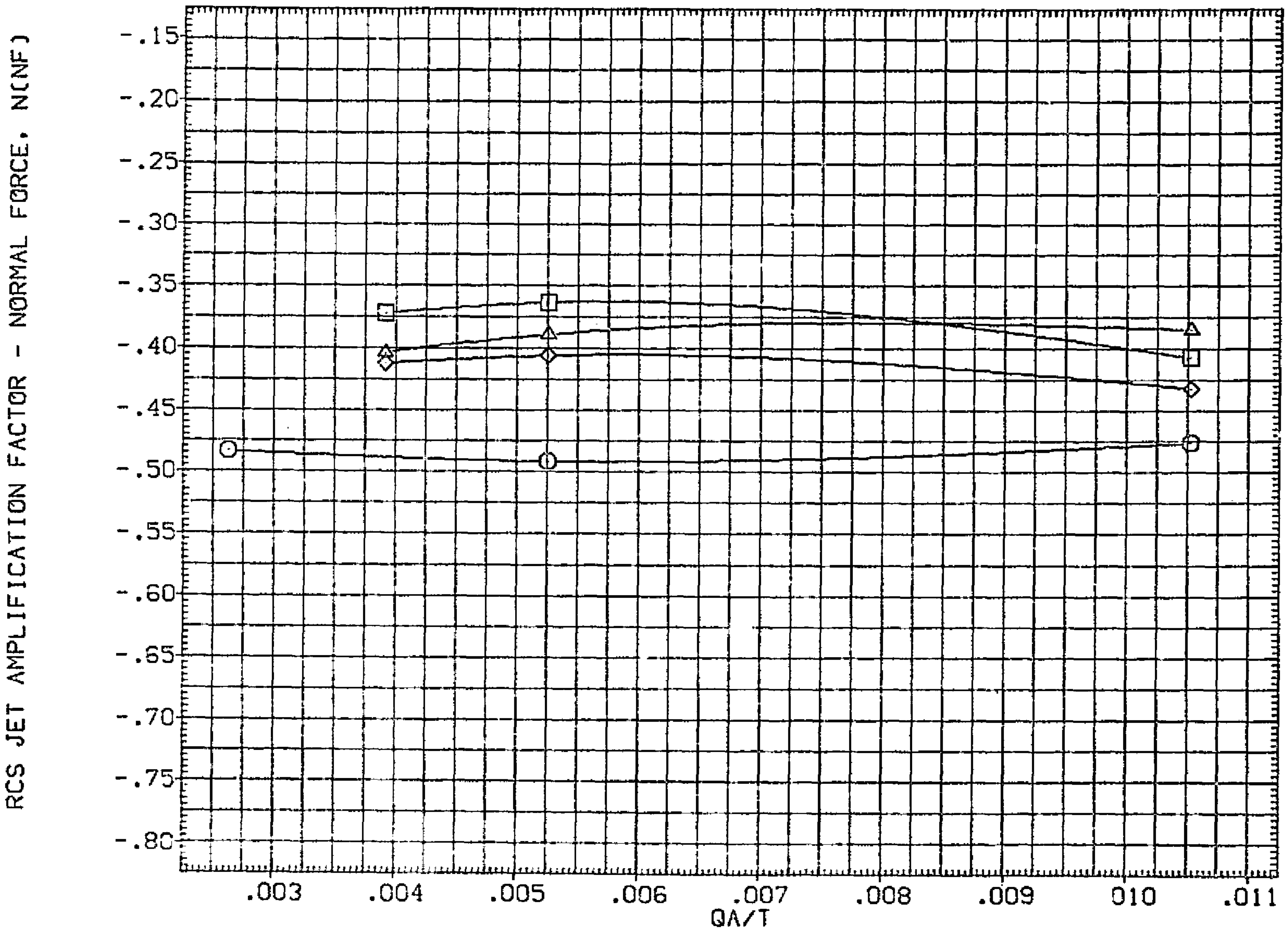

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)		01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	X	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	4[illegible]1.8000	INCHES
BREF	936.6800	INCHES
XMRP	[illegible]076.7000	IN. X[illegible]
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

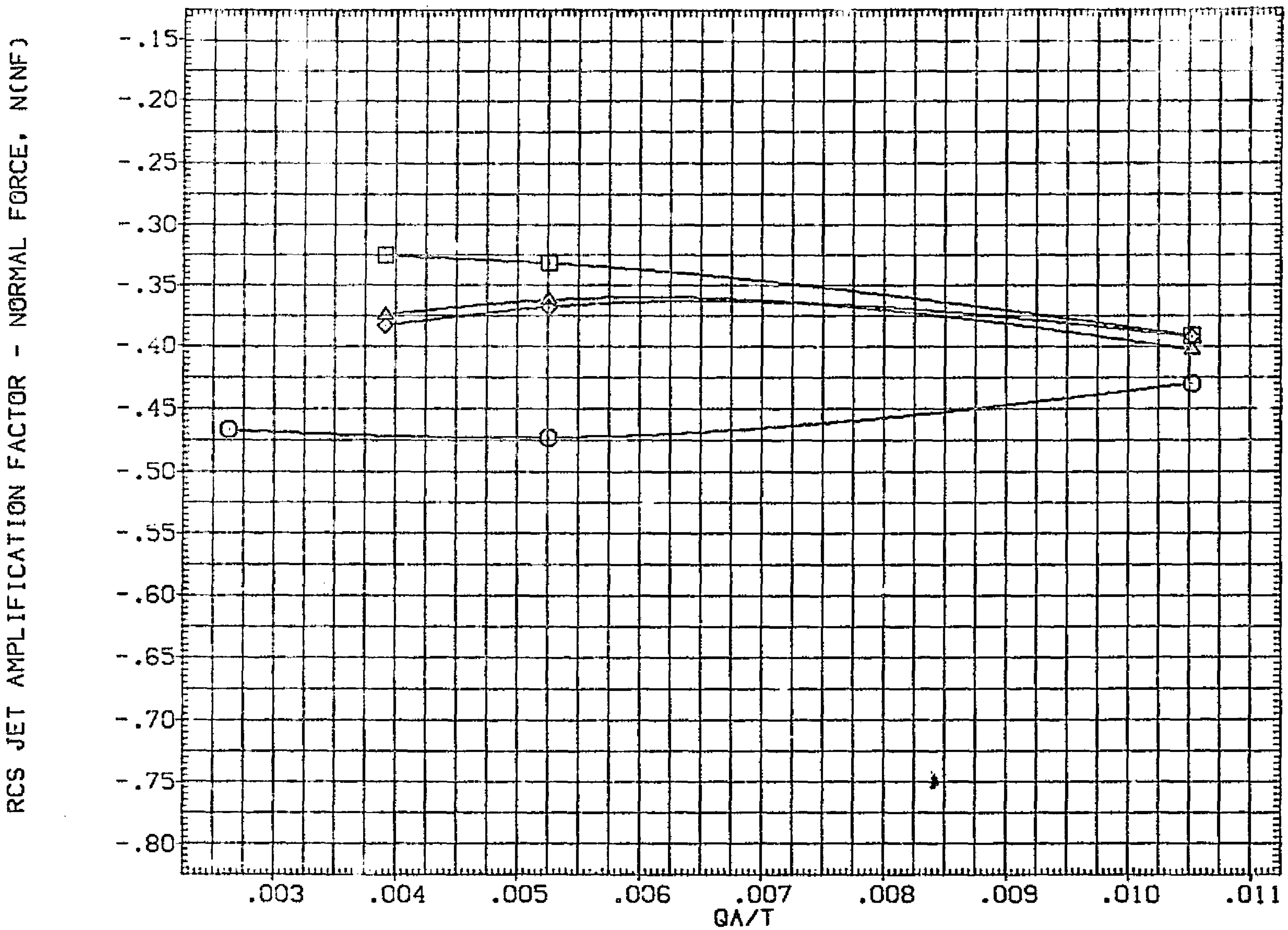

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

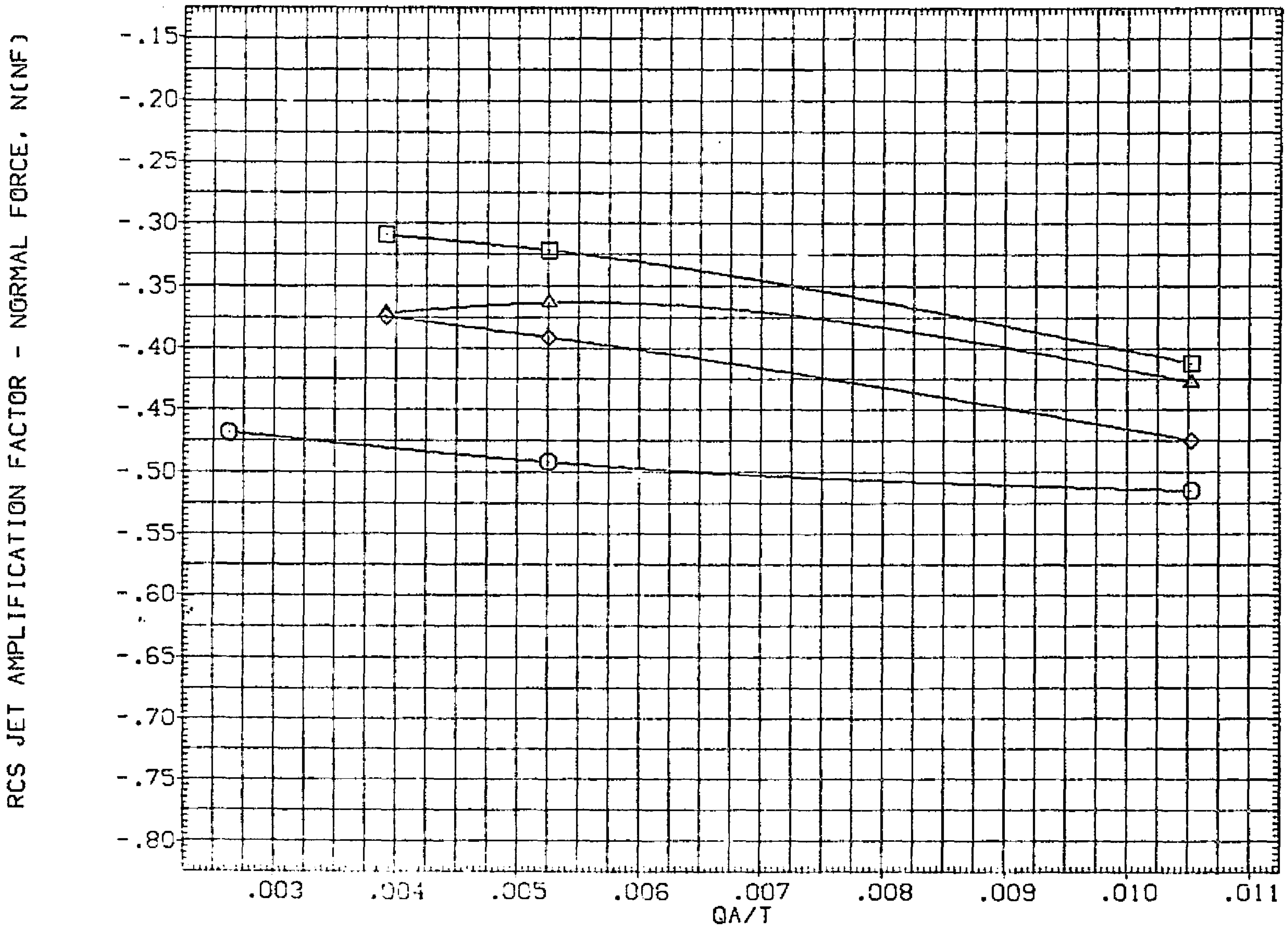

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(I)ALPHA = 8.00

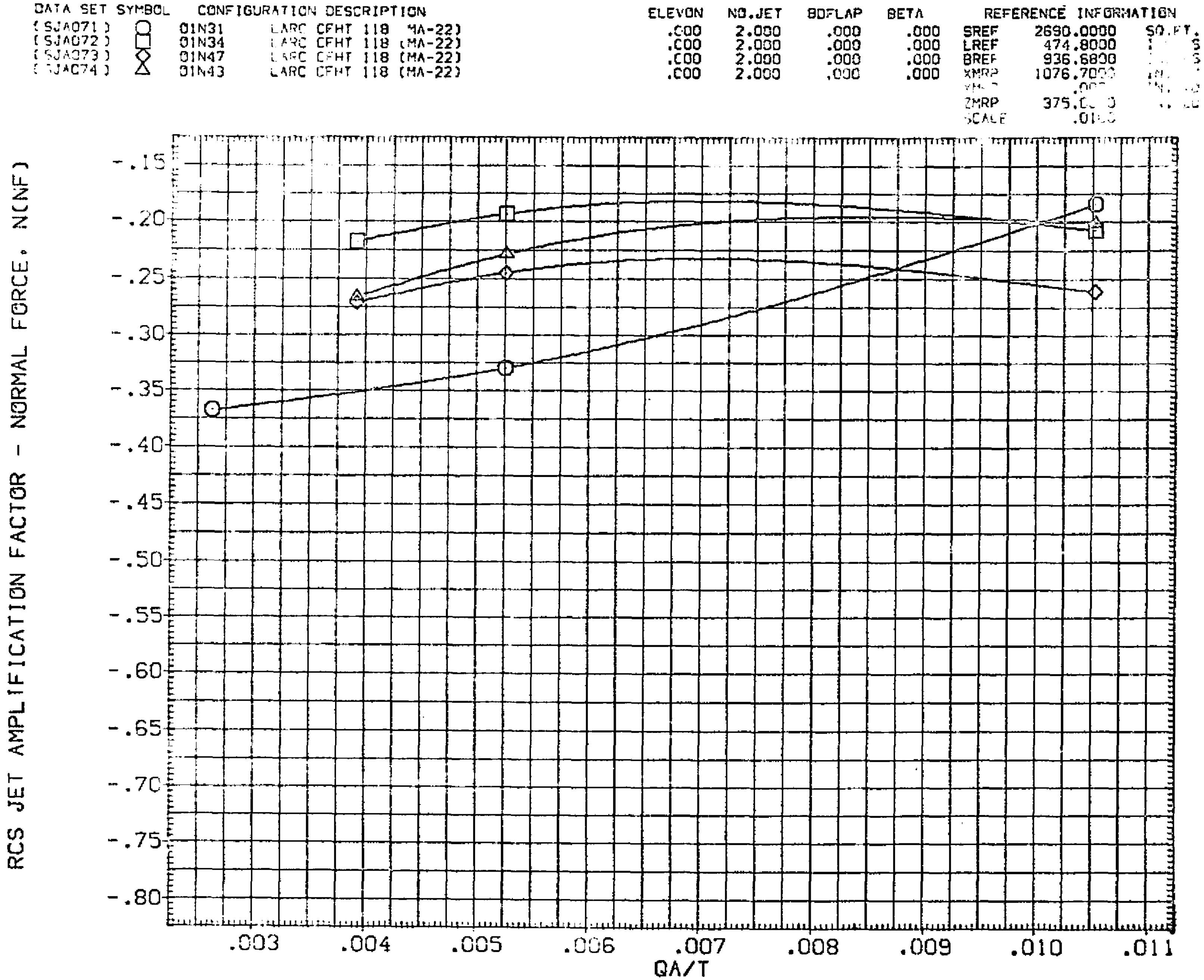

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

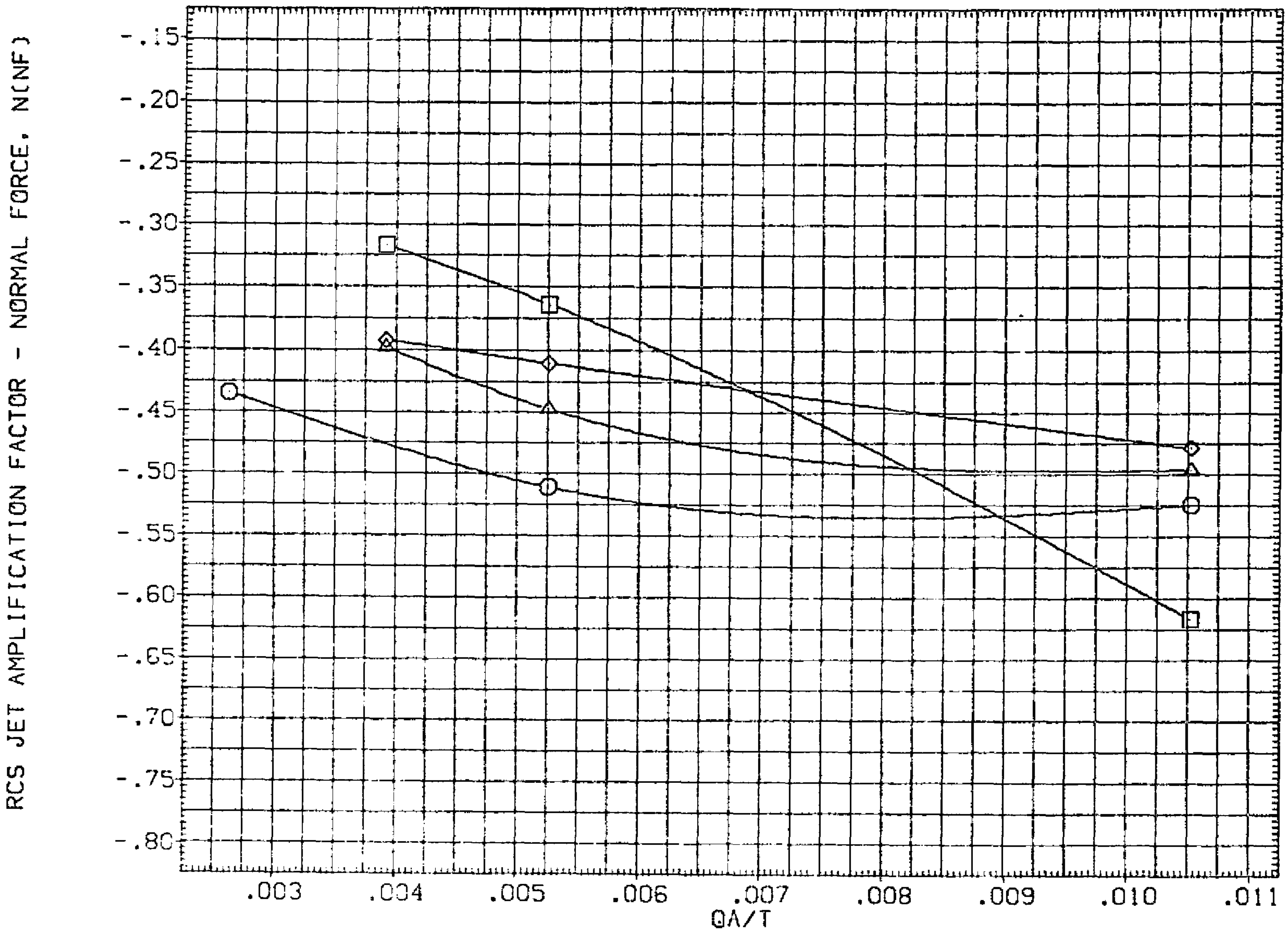

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(K)ALPHA = 15.00

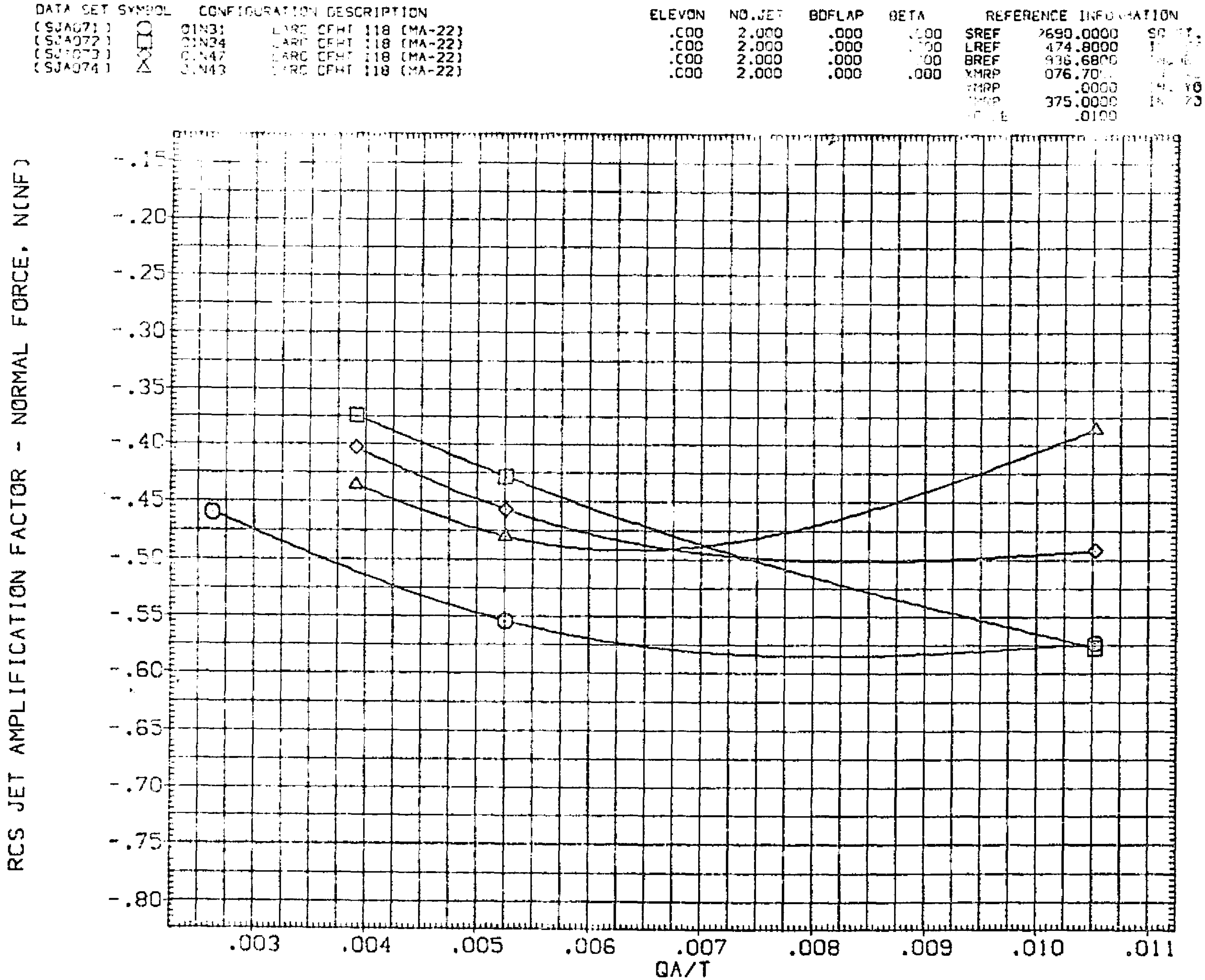

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0.00	

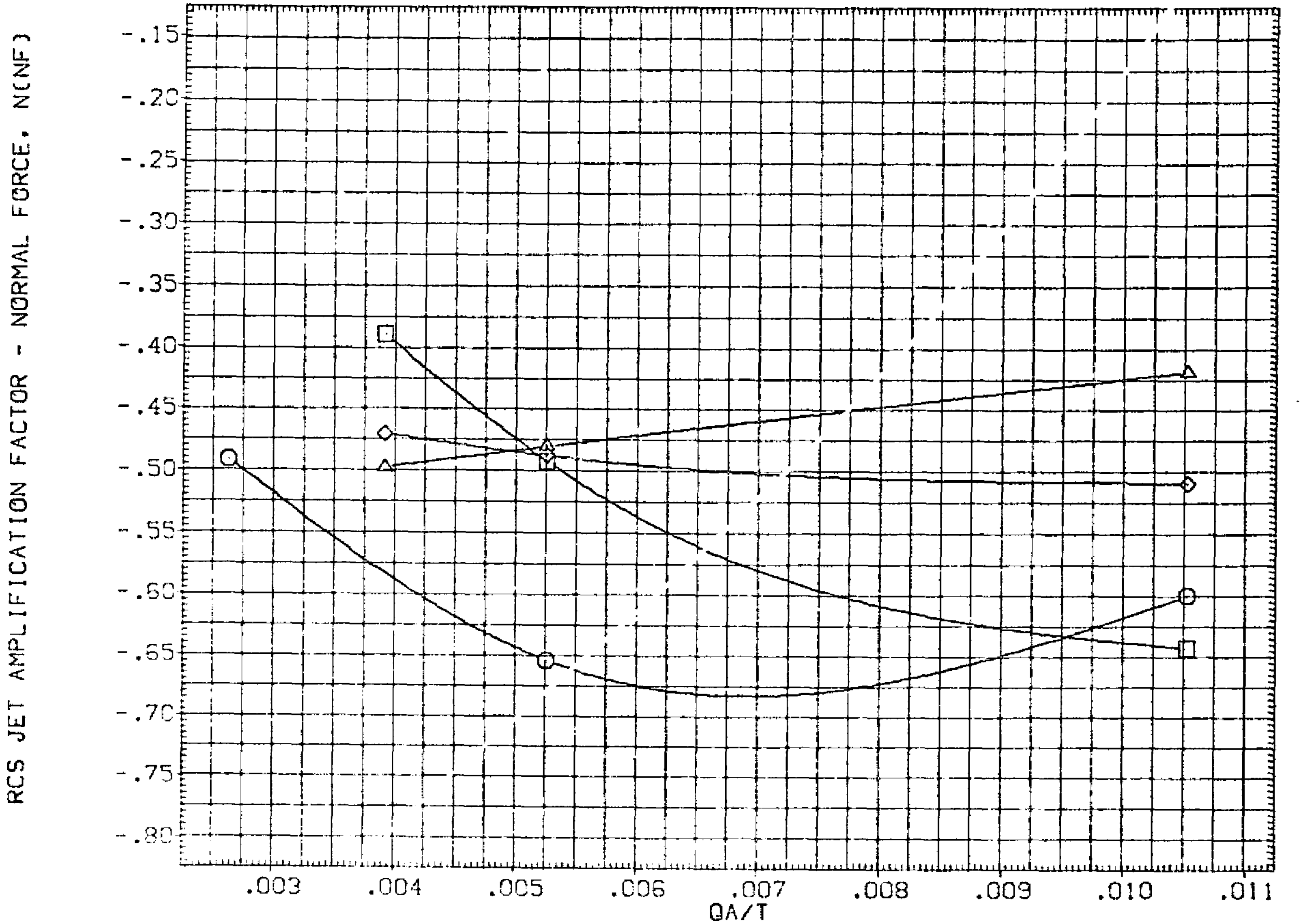

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

[illegible] = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	[illegible] CFHT I18 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	[illegible] CFHT I18 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	[illegible] CFHT I18 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	[illegible] CFHT I18 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	[illegible]
LREF	474.8000	[illegible]
BREF	936.6800	[illegible]
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	[illegible]	

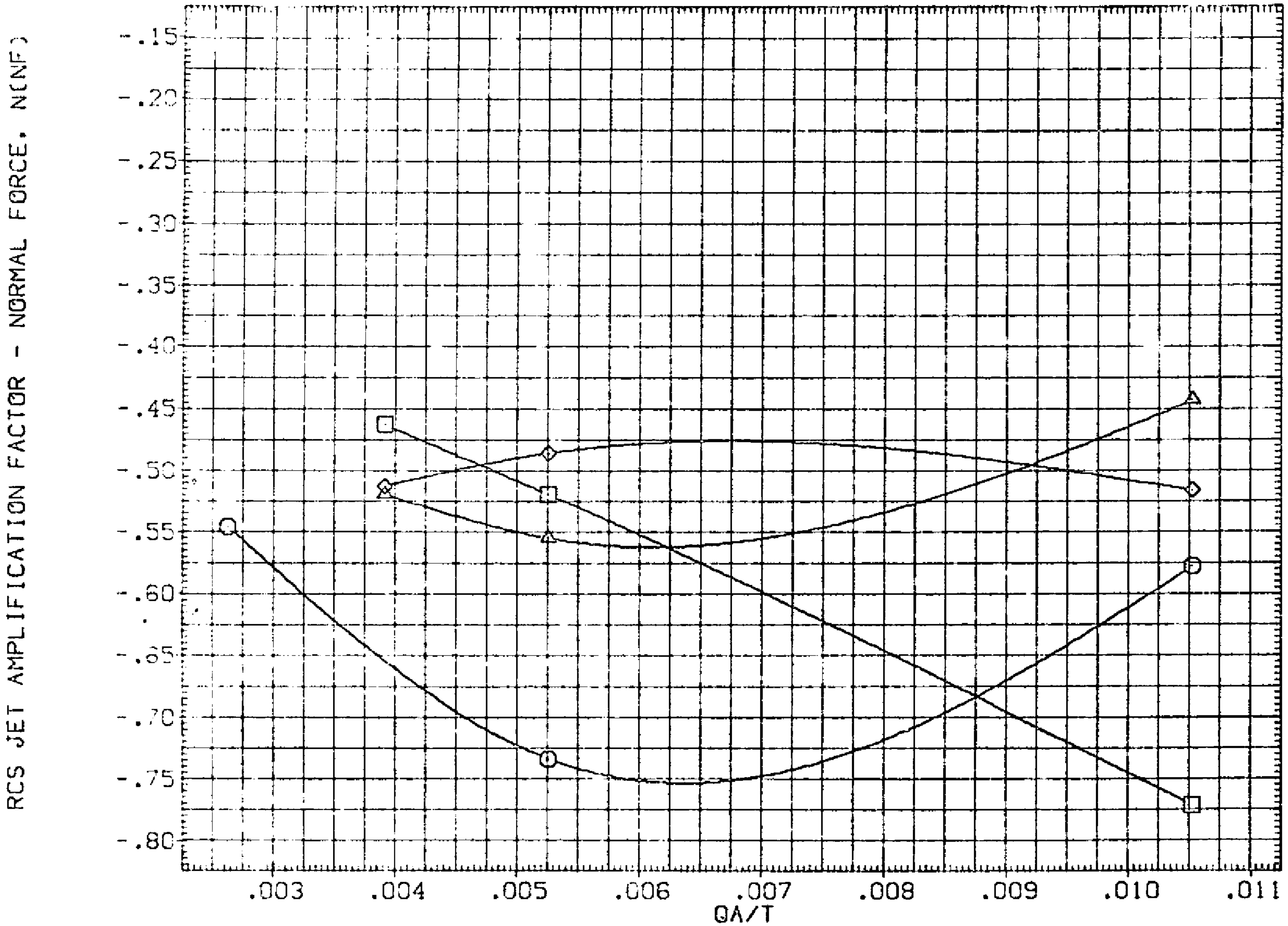

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

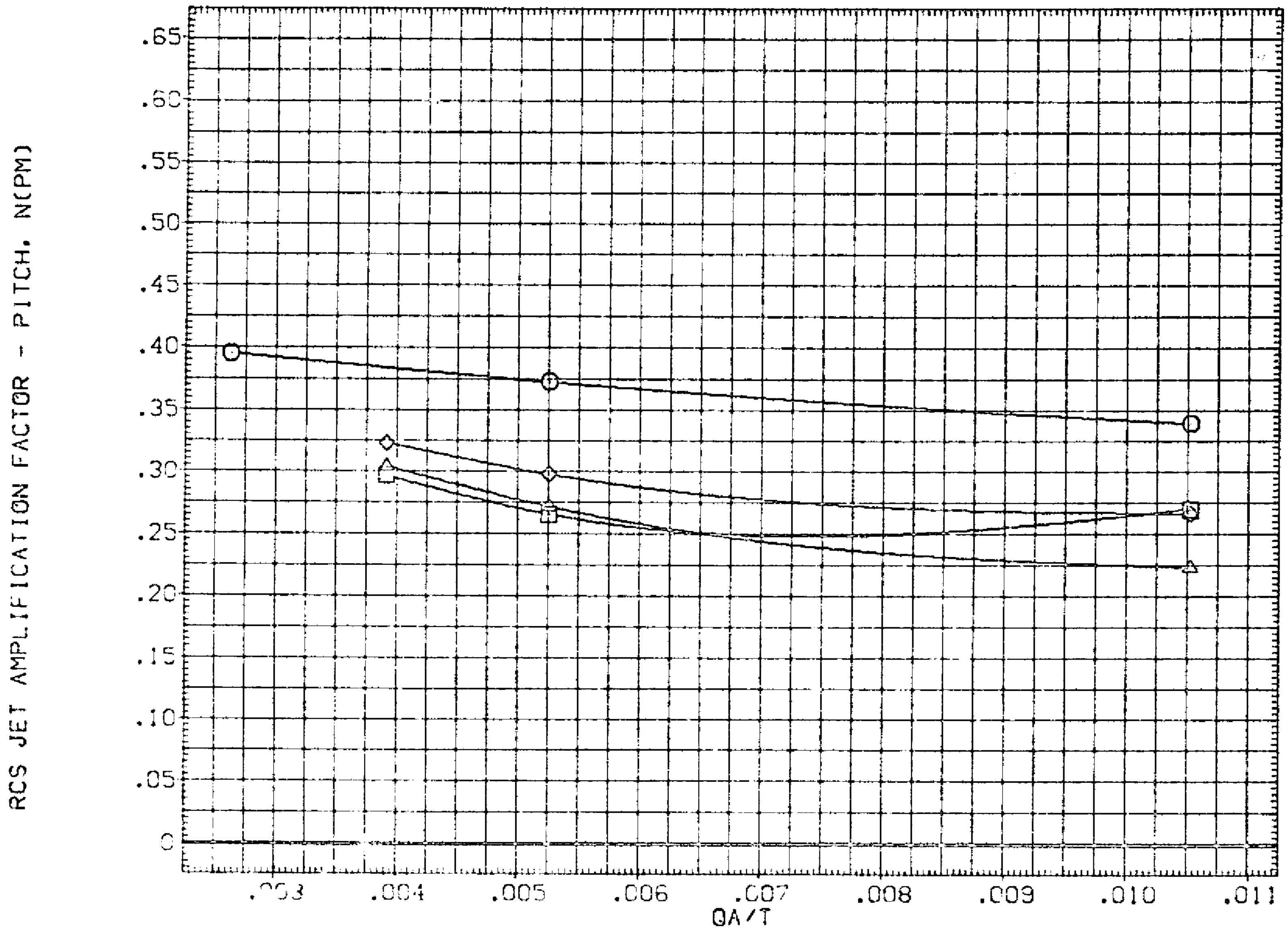

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

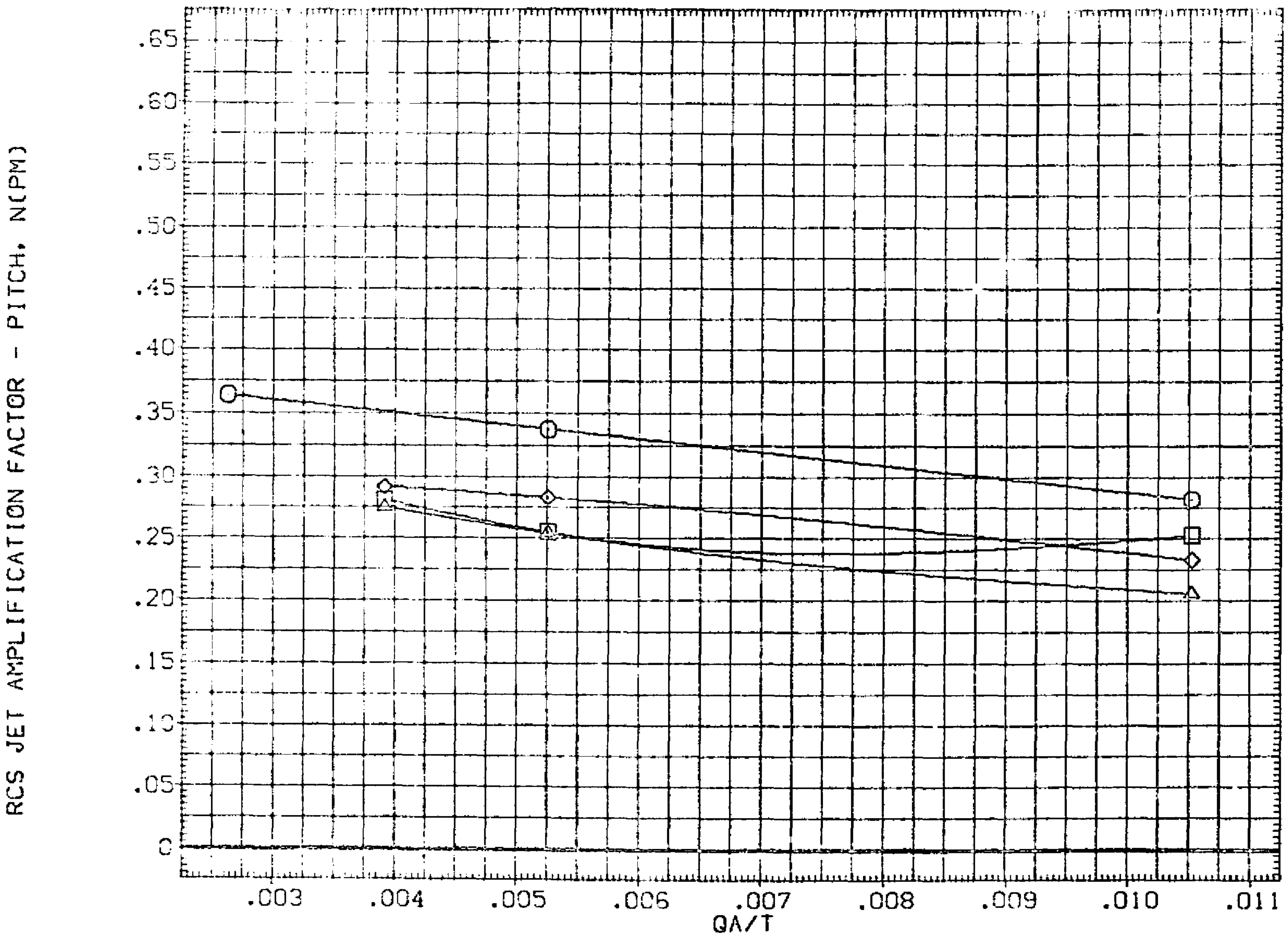

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS
(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

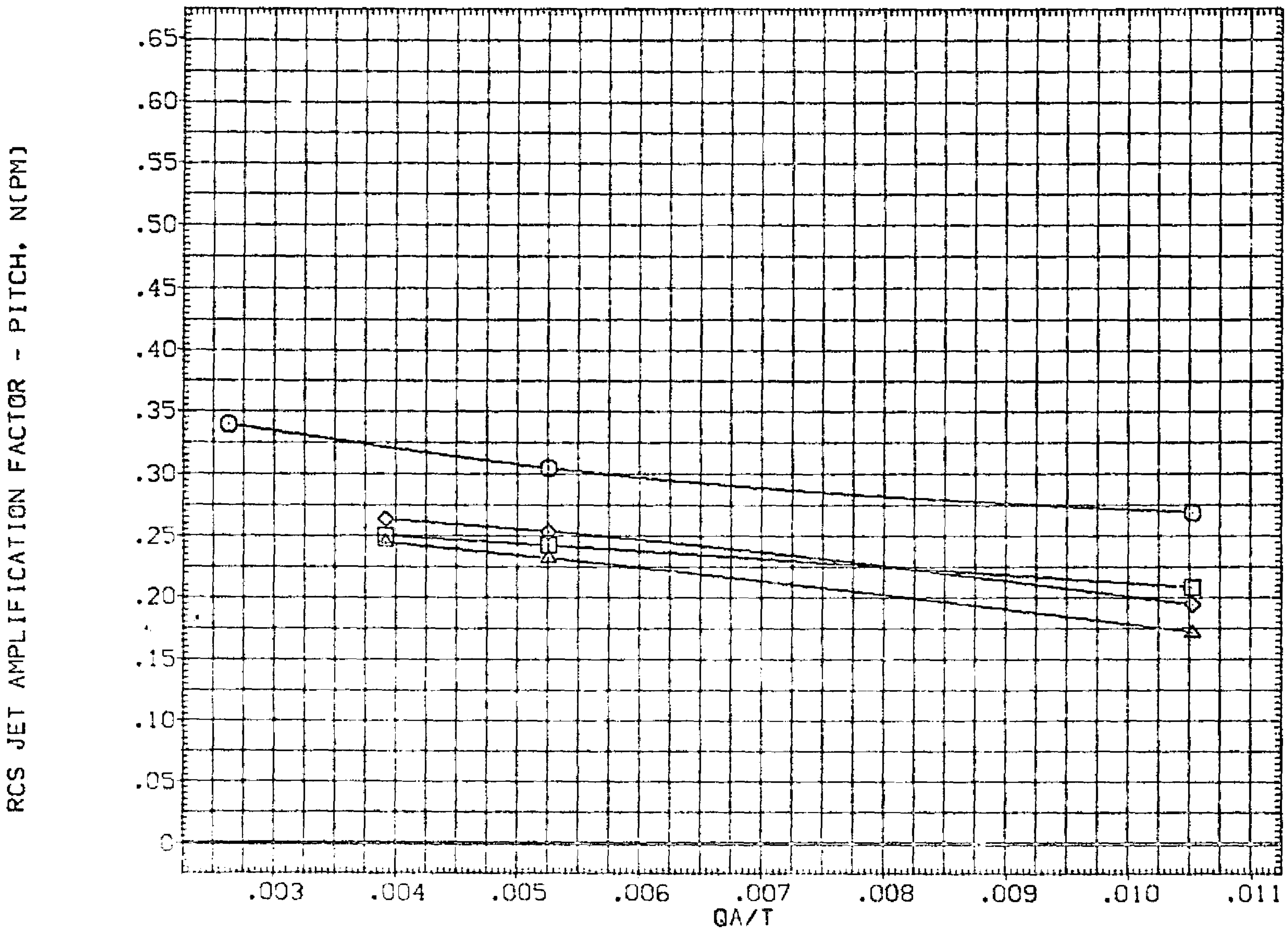

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN.
YMRP	.0000	IN.
ZMRP	375.0000	IN.
SCALE	.0100	

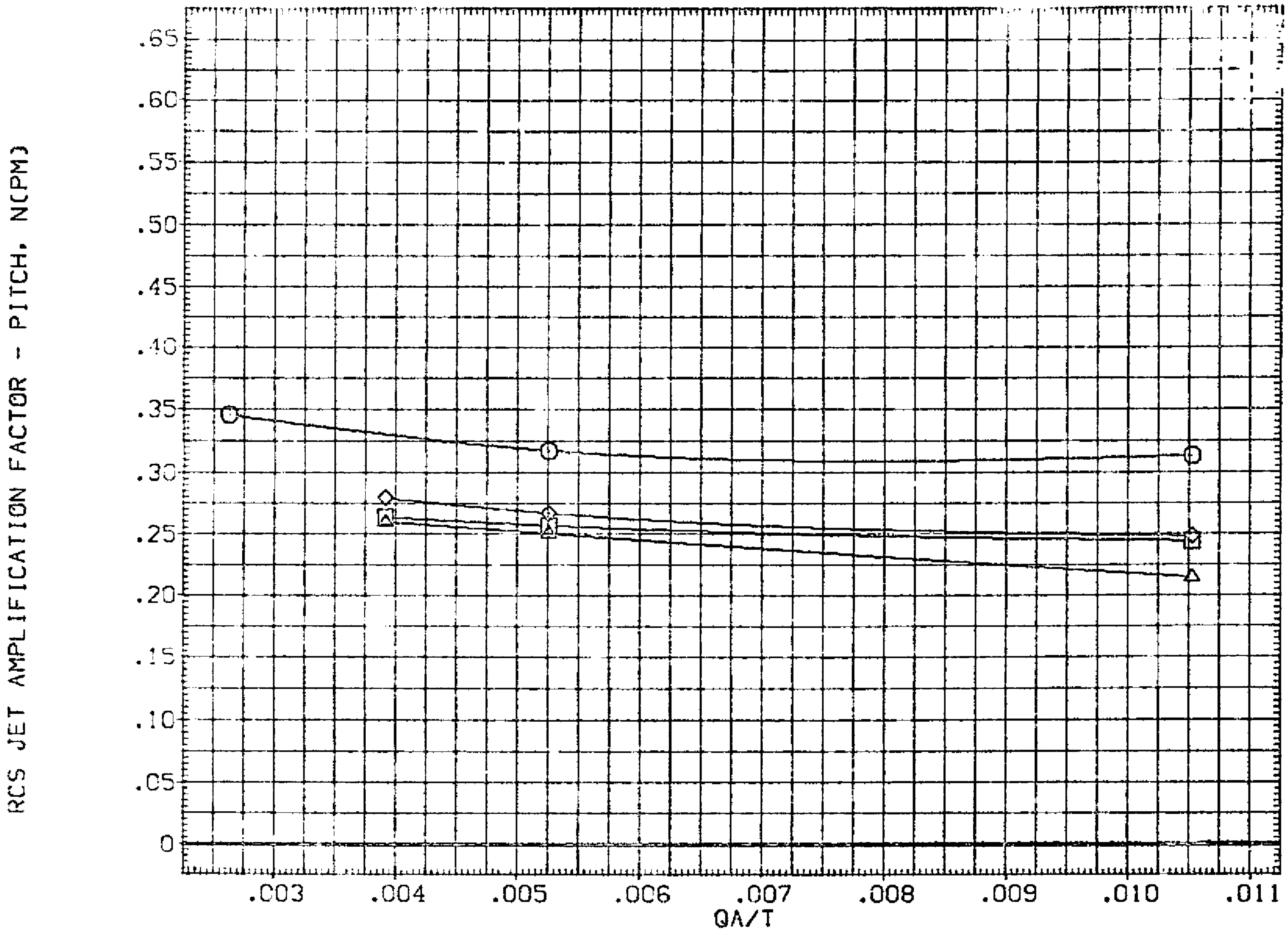

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

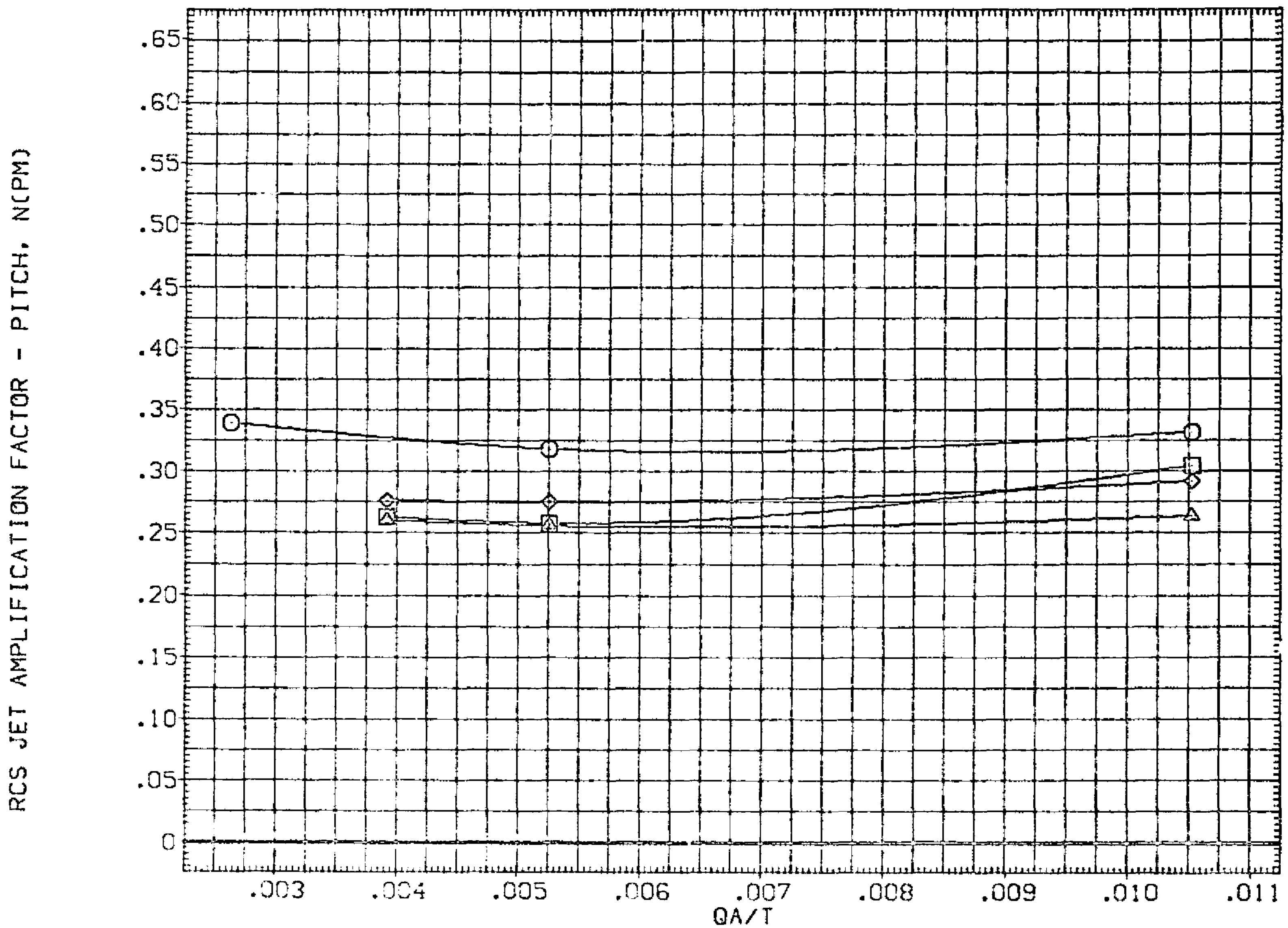

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
([illegible]071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	[illegible]00
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	[illegible]00
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	[illegible]00
(SJA074)	△	01N73	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN.
ZMRP	375.0000	IN.
SCALE	.0100	

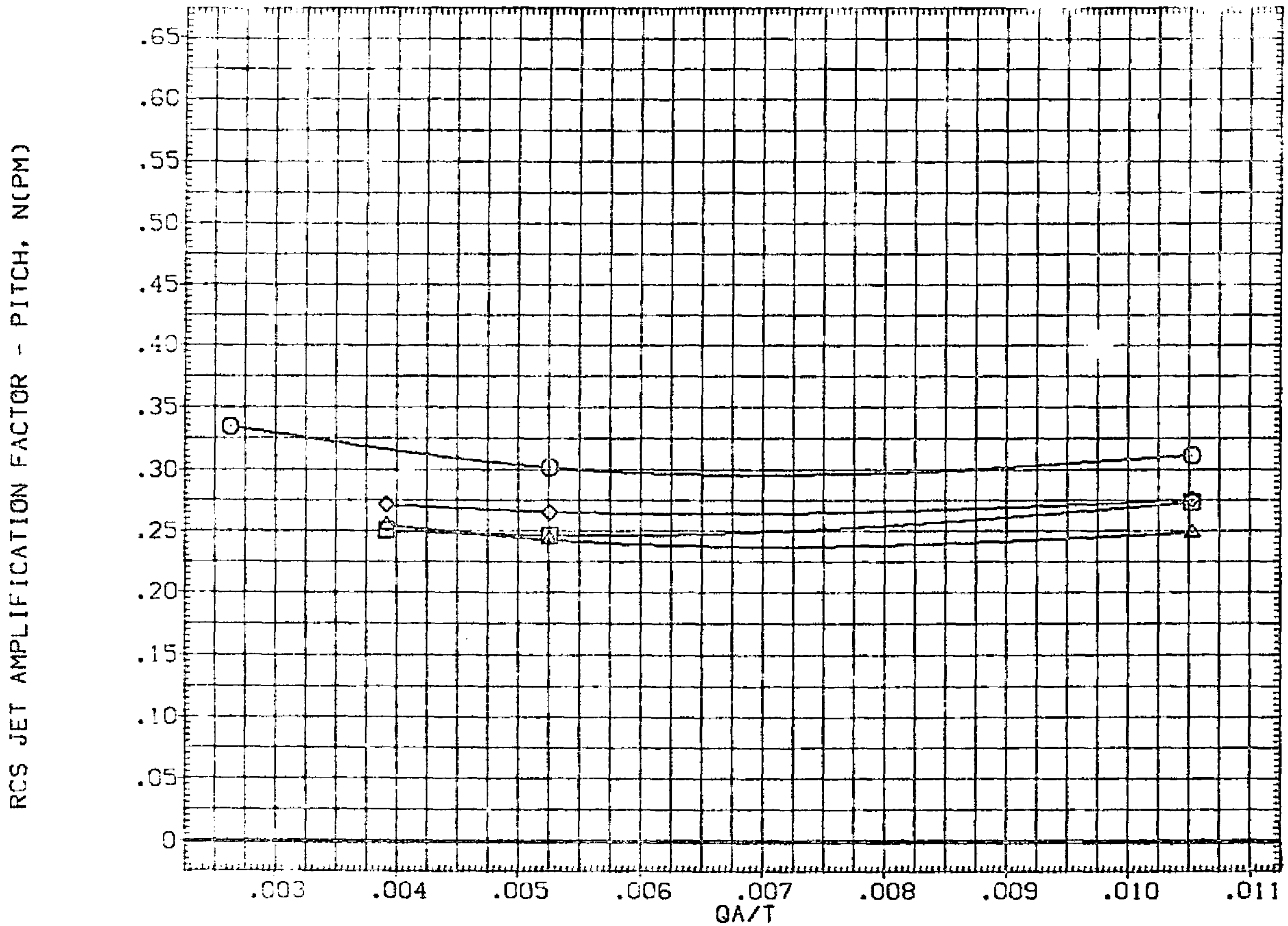

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

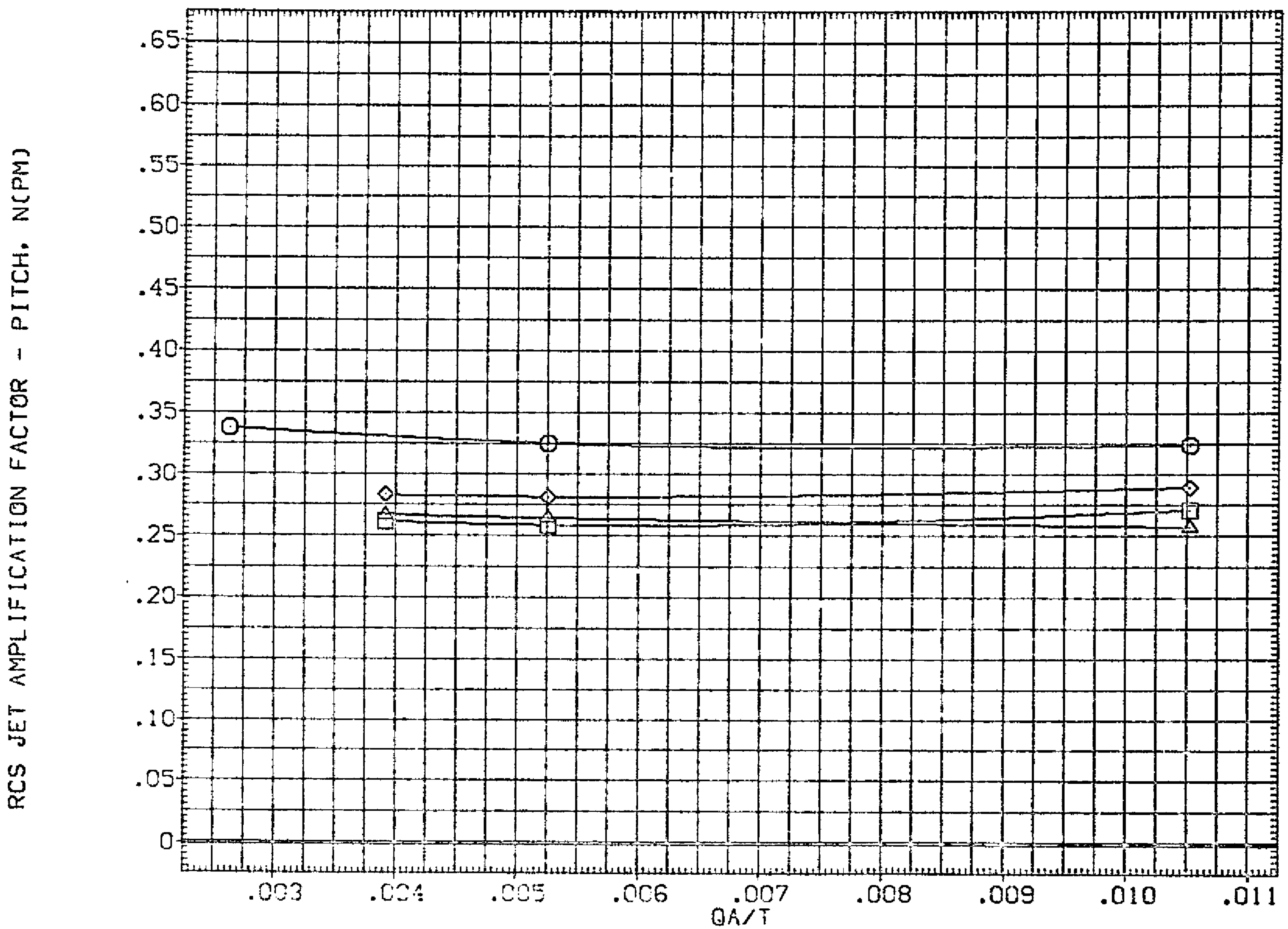

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(G)ALPHA = 4.00

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

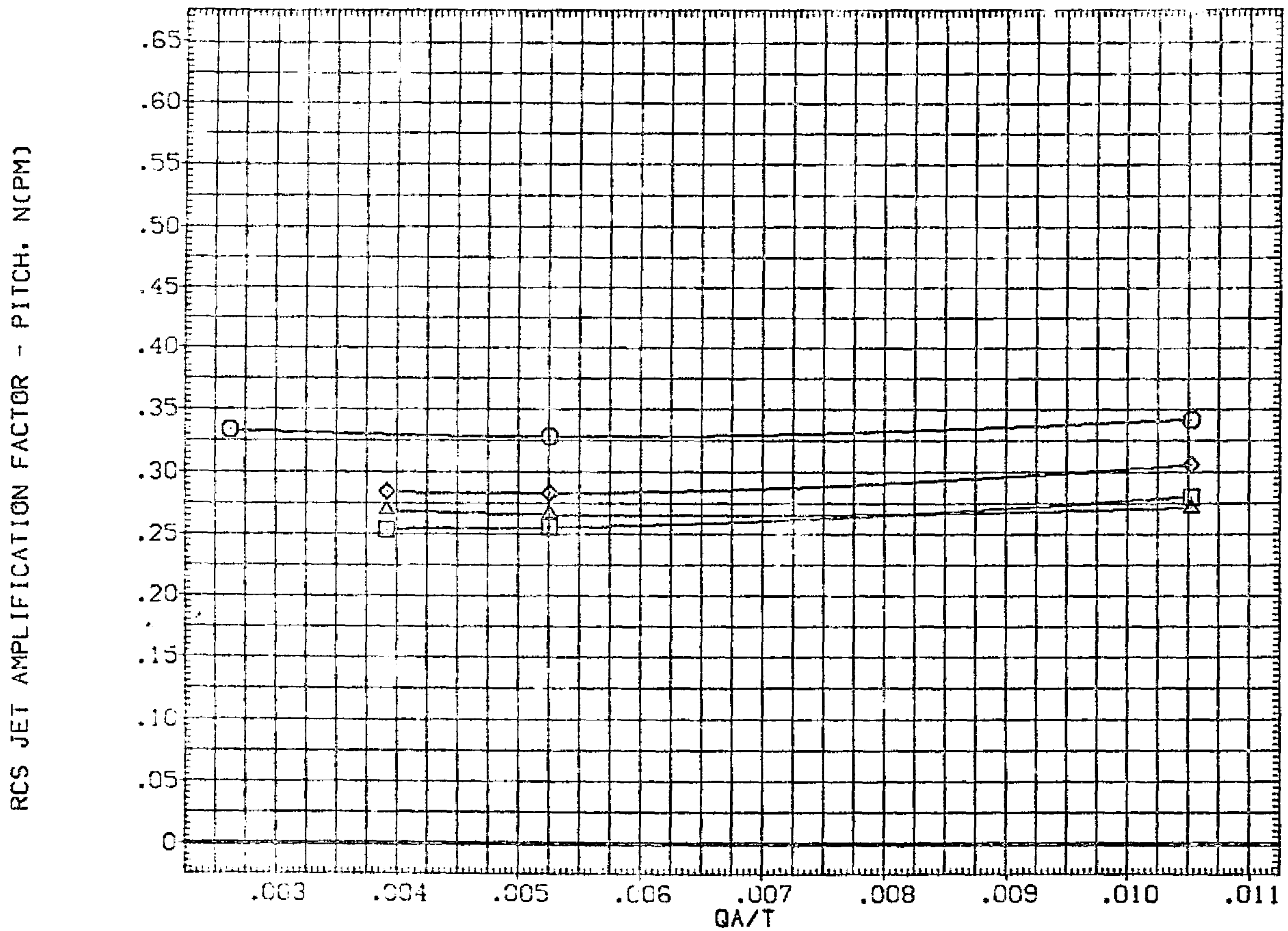

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
[illegible]		[illegible]	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[illegible]		01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[illegible]		[illegible]	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[illegible]		[illegible]	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

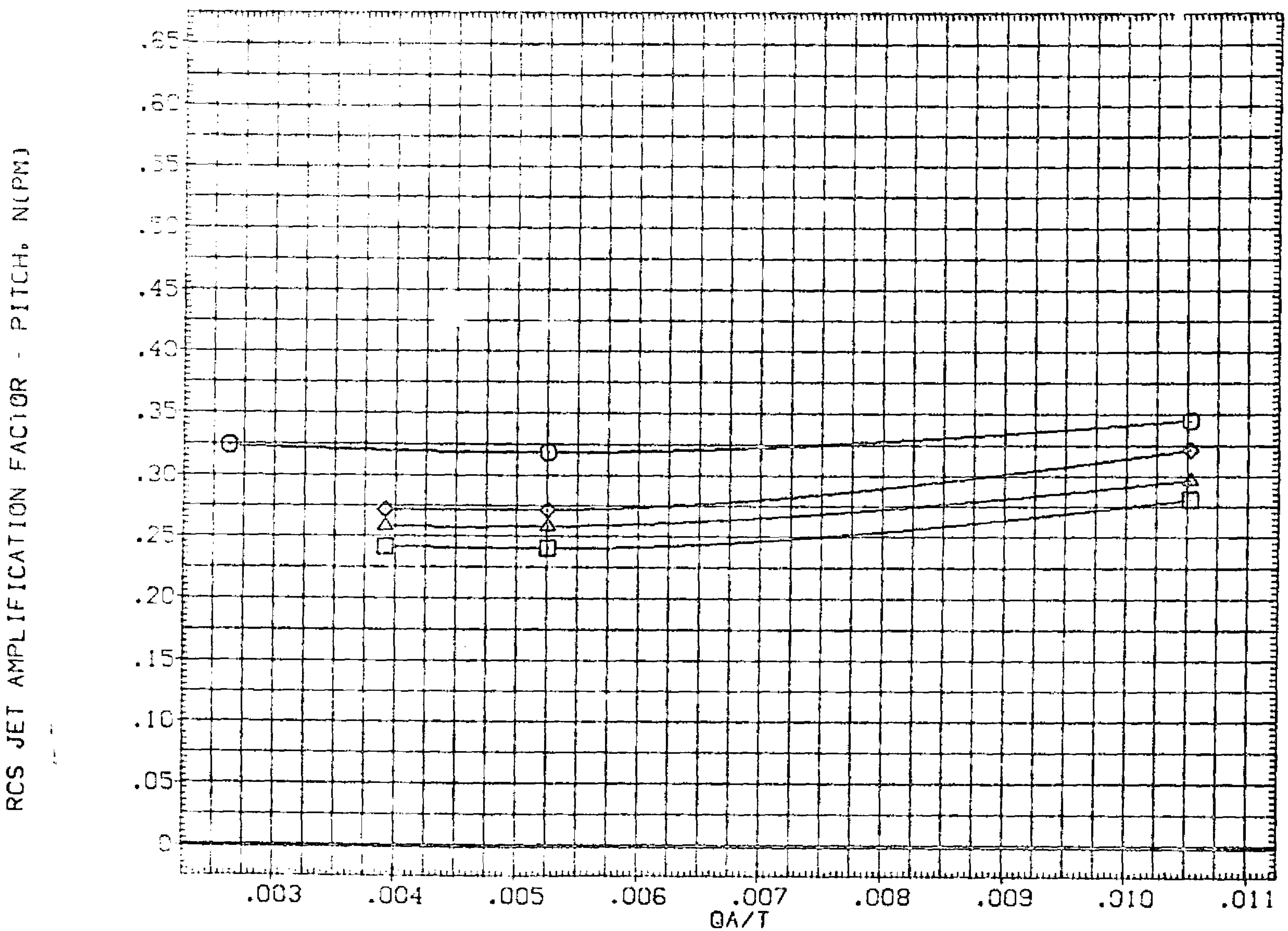

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA	REFERENCE INFORMATION		
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	SREF	2690.0000	SQ.FT.
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	LREF	474.8000	INCHES
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	BREF	936.6800	INCHES
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	XMRP	1076.7000	IN. X0
								YMRP	.0000	IN. Y0
								ZMRP	375.0000	IN. Z0
								SCALE	.0100	

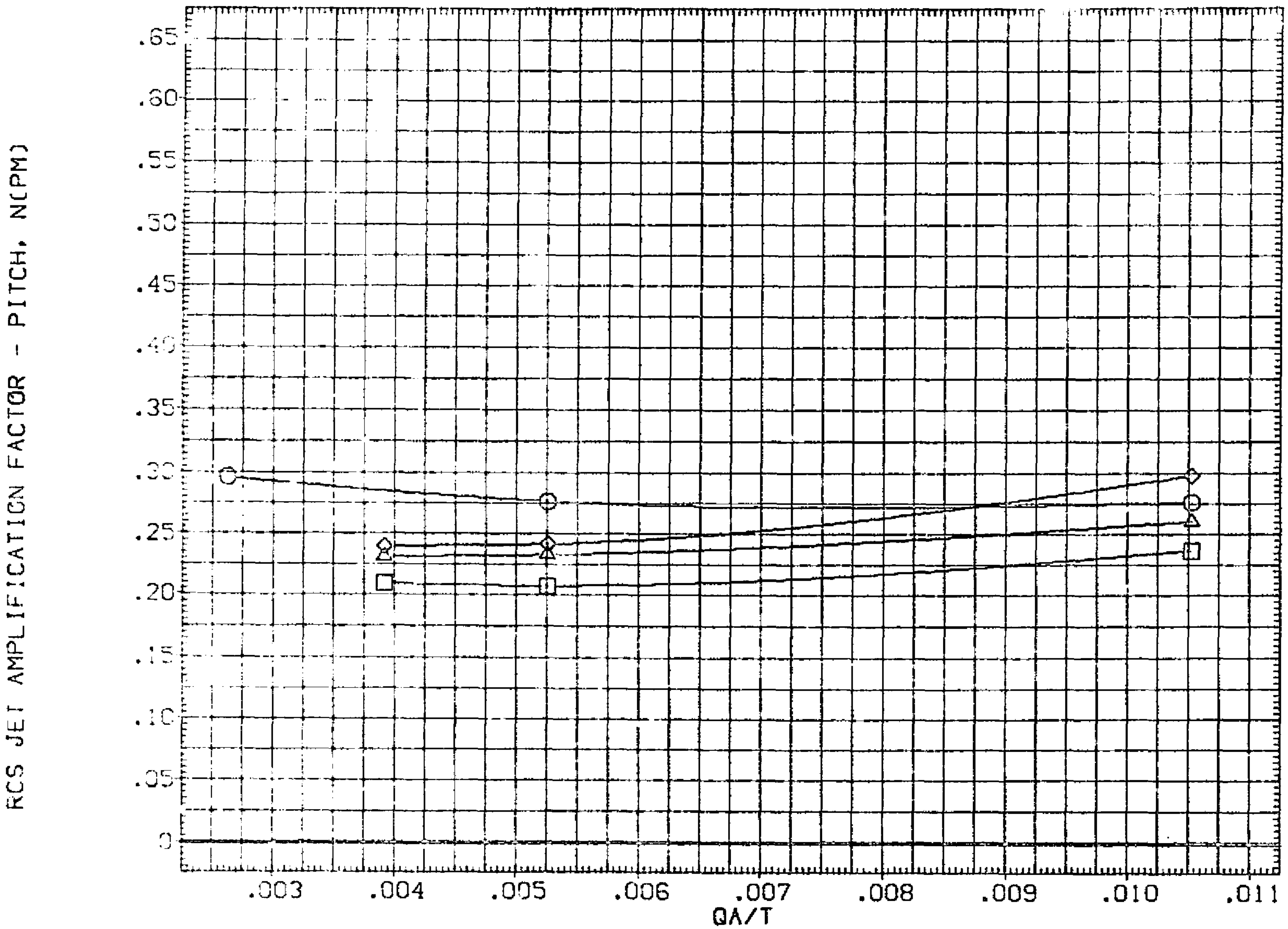

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

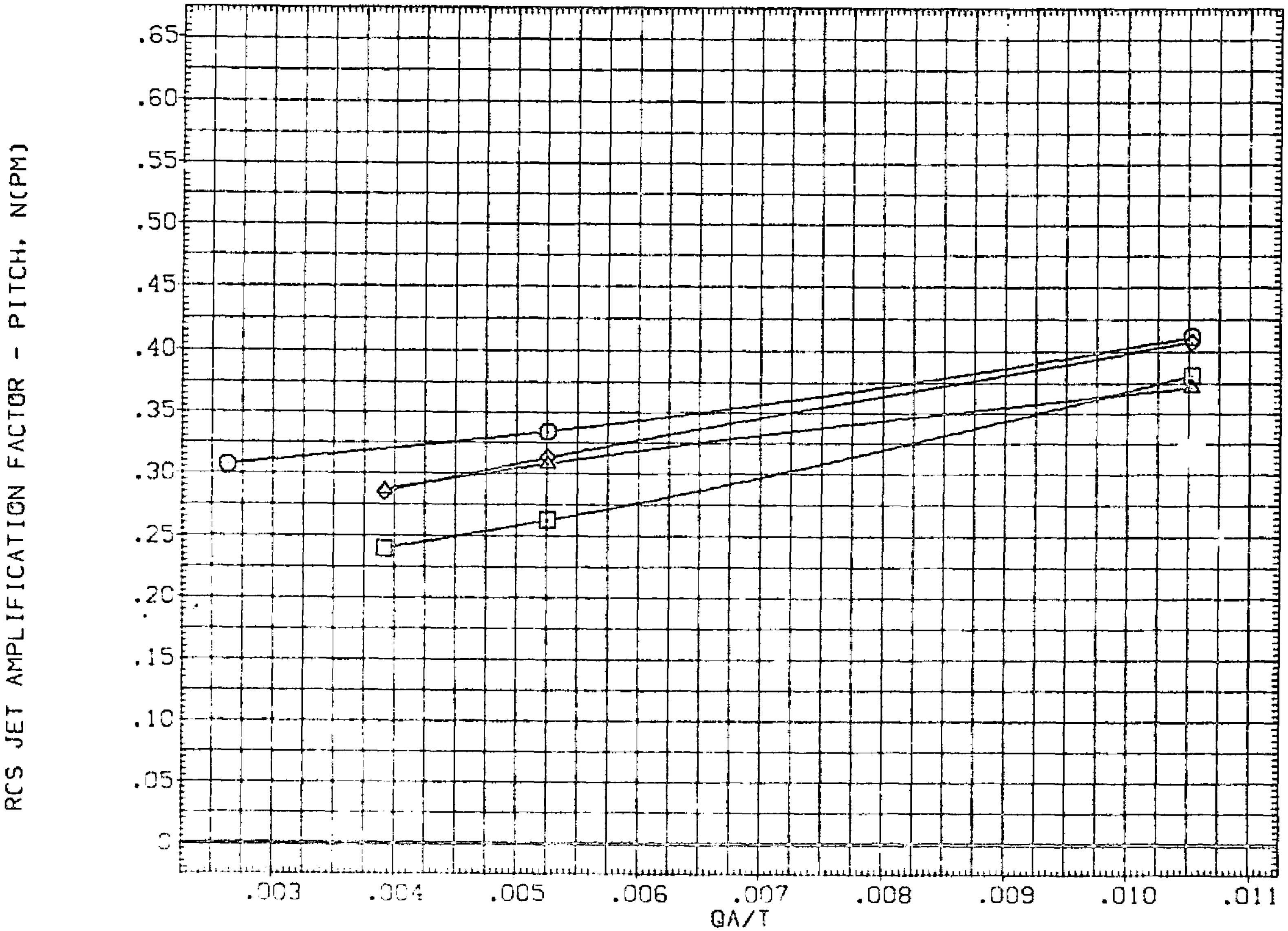

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
[illegible]	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[illegible]	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[illegible]	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[illegible]	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
[illegible]	1076.7000	[illegible]
[illegible]	.000	[illegible]
[illegible]	375.000	[illegible]
SCALE	.0100	

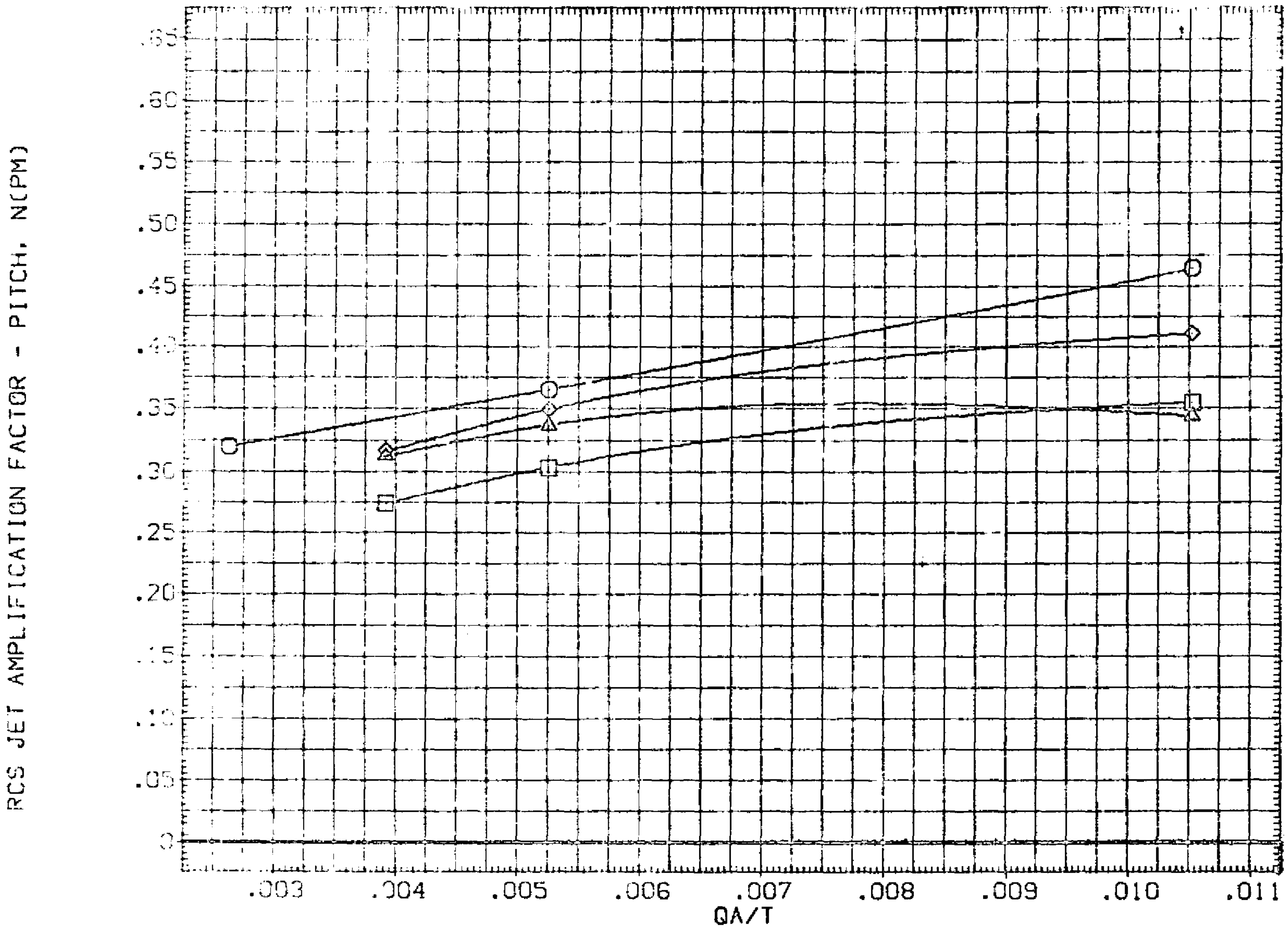

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	L C CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	L C CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	L C CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	C CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	OIN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	OIN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	OIN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	OIN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

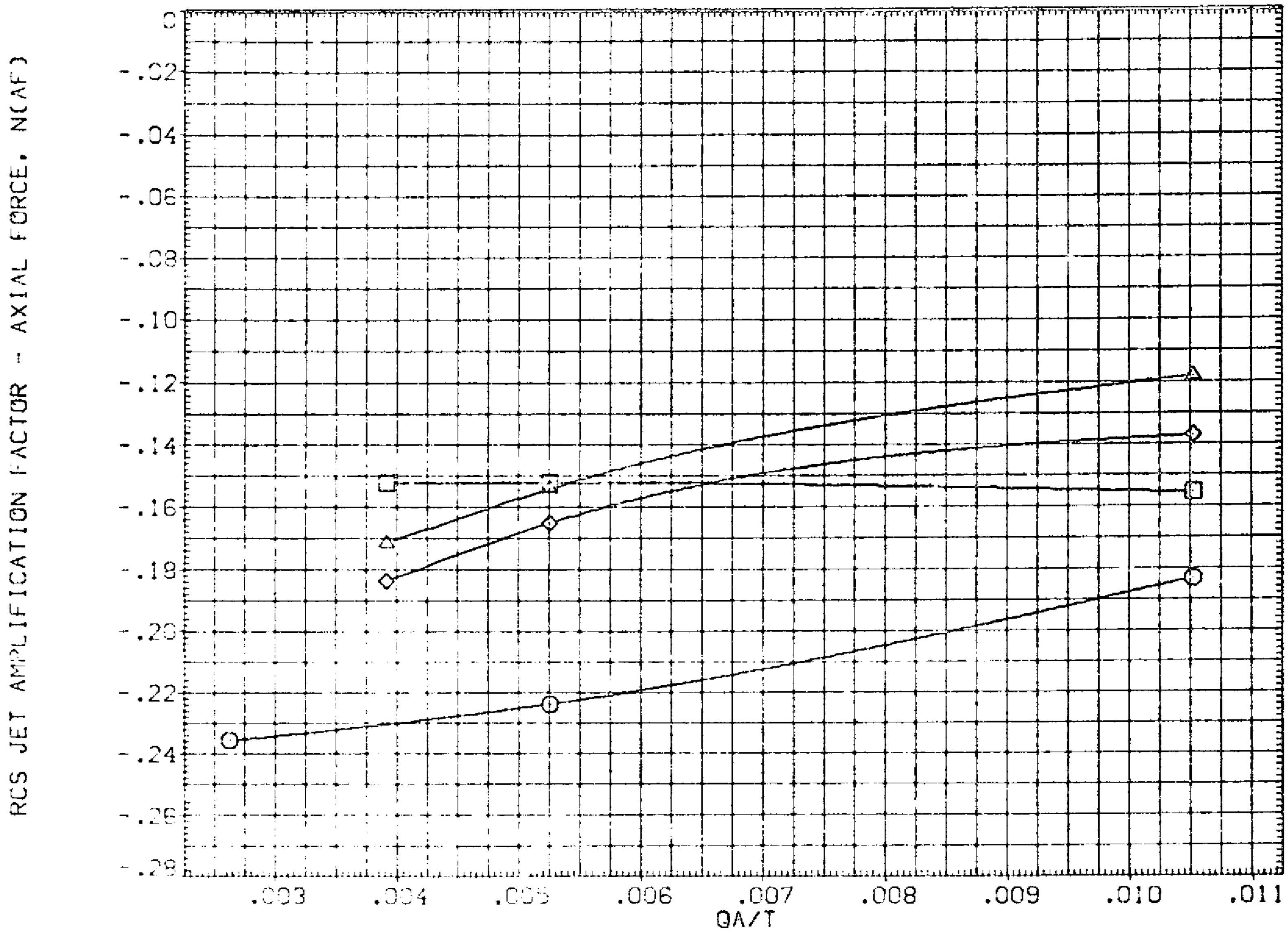

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(A)ALPHA = -8.00

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	
(SJA071)	○	01531	LARC CEHT 118 (MA-22)
(SJA072)	□	01534	LARC CEHT 118 (MA-22)
(SJA073)	◇	01547	LARC CEHT 118 (MA-22)
(SJA074)	△	01543	LARC CEHT 118 (MA-22)

ELEVON	NO.JET	BDFLAP	BETA
.000	2.000	.000	.000
.000	2.000	.000	.000
.000	2.000	.000	.000
.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	INCHES
YMRP	.0000	INCHES
ZMRP	375.0000	INCHES
SCALE	.0150	

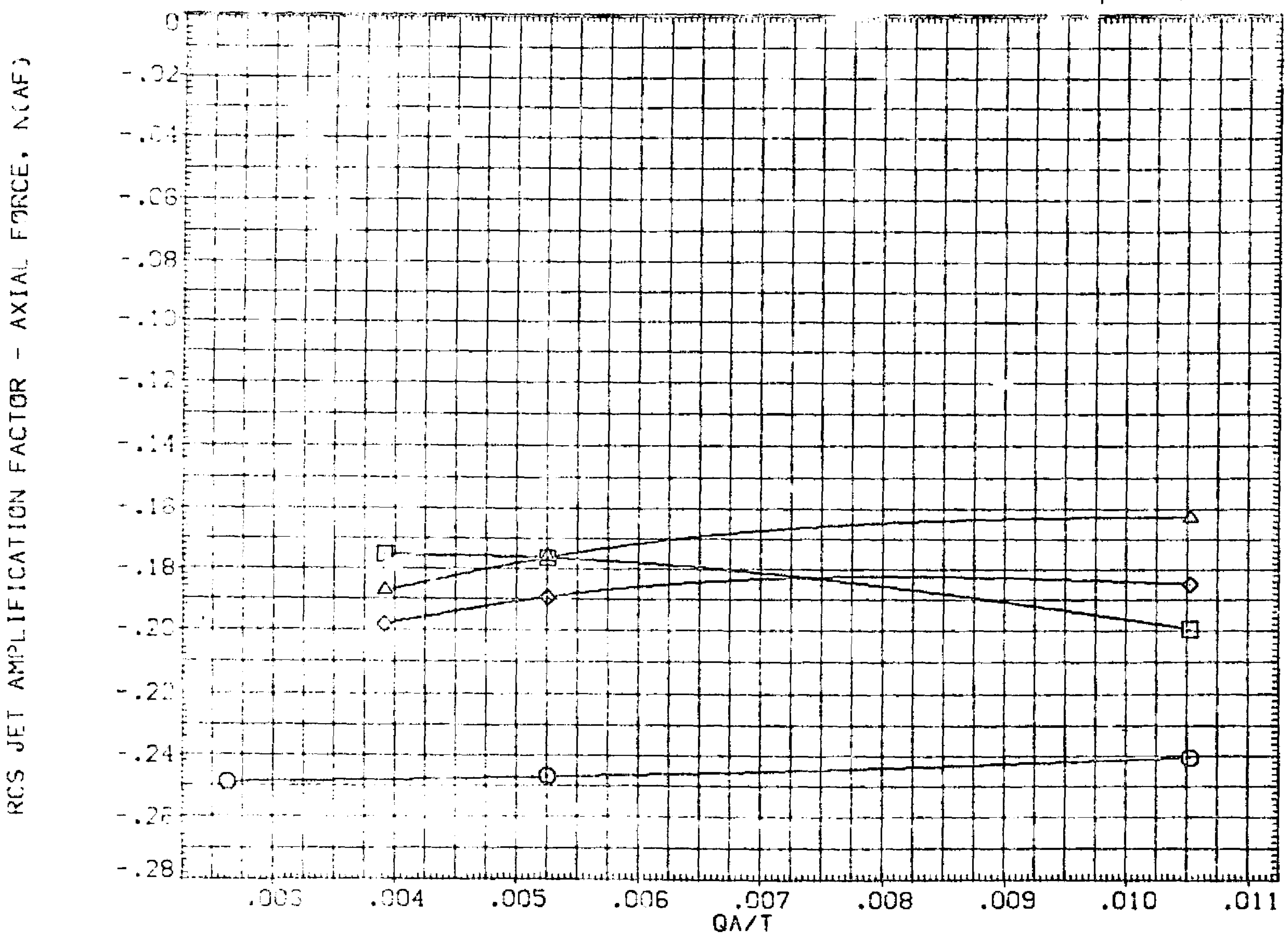

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

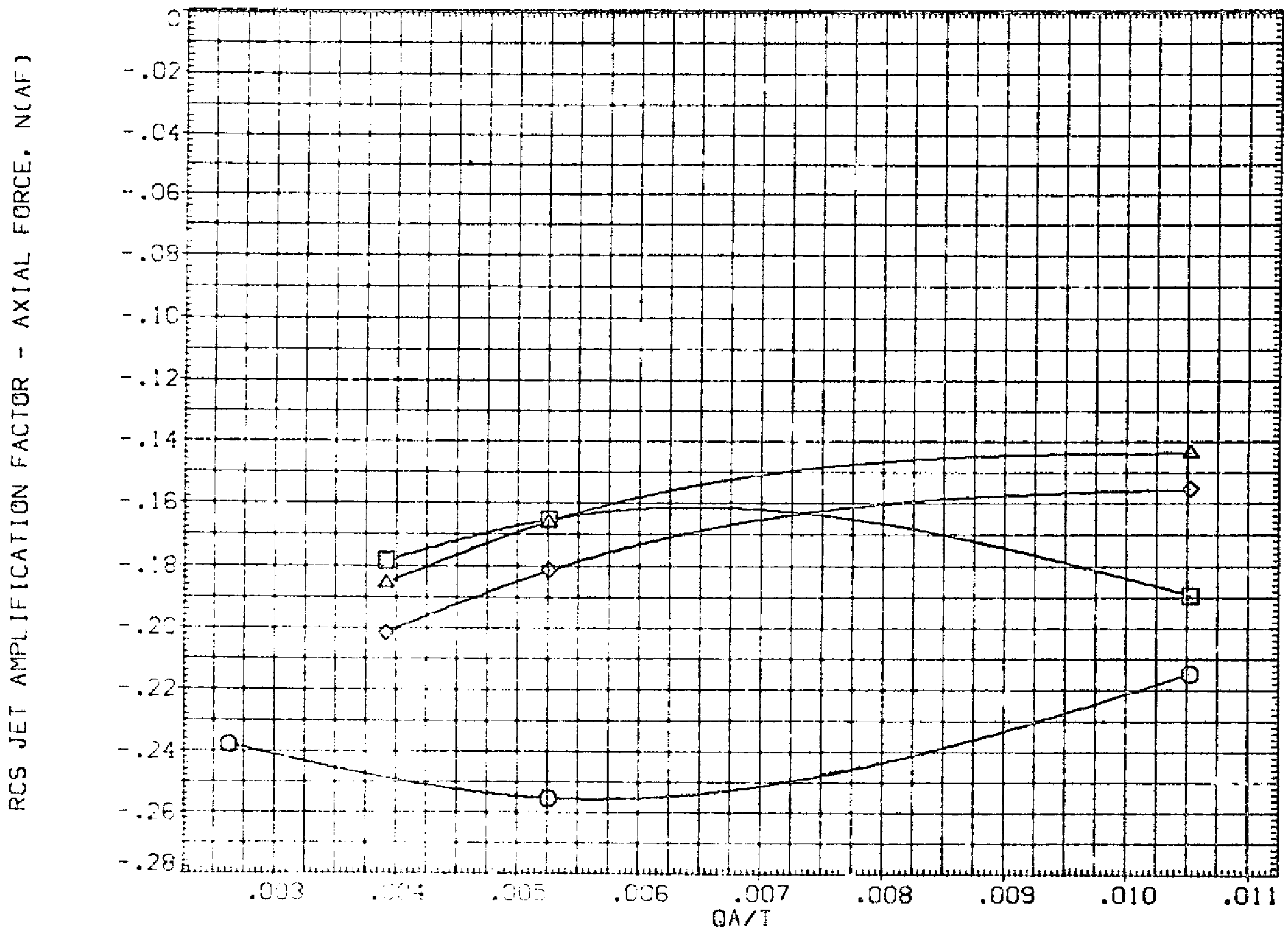

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

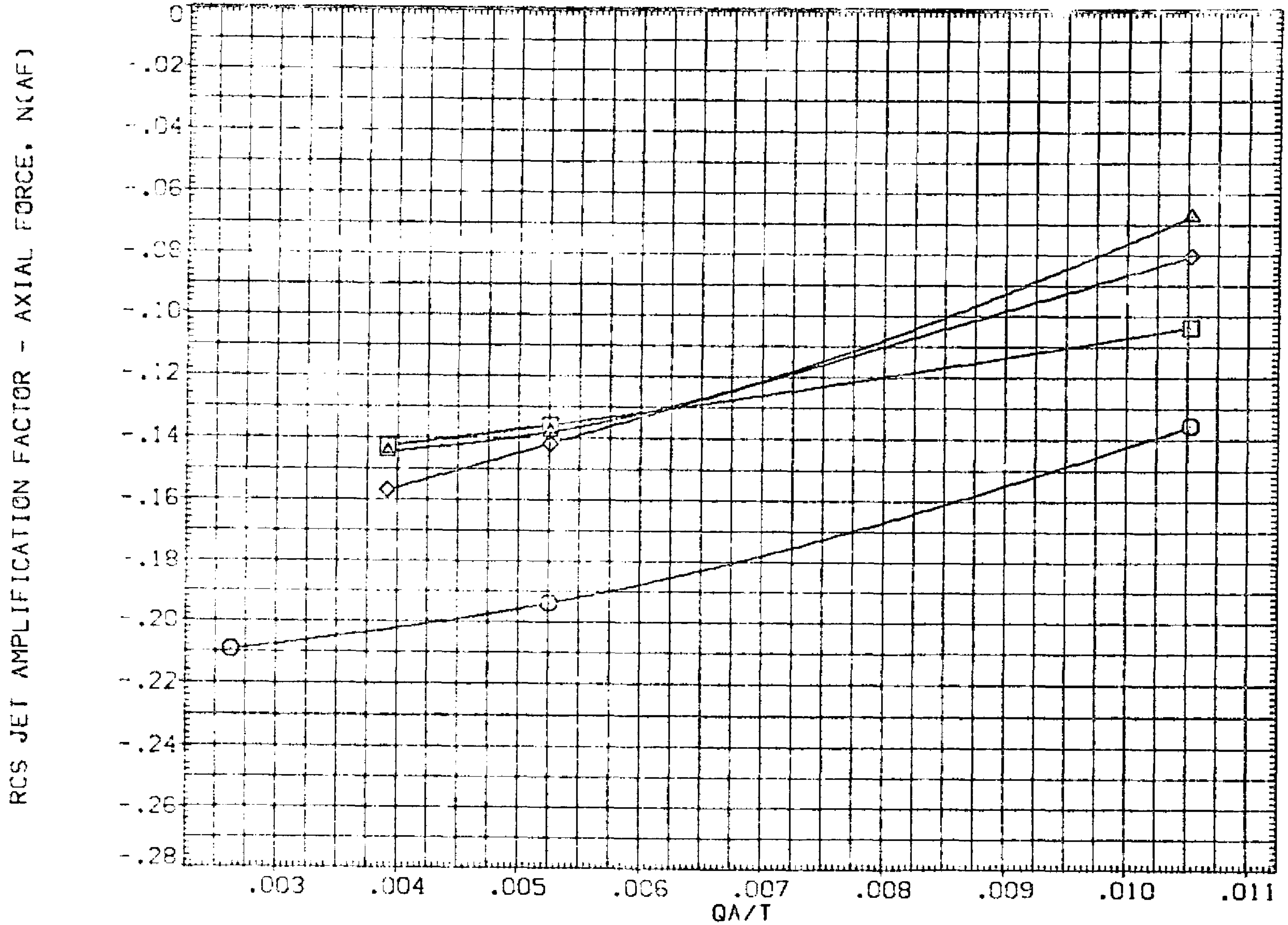

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS
(D)ALPHA = -2.00

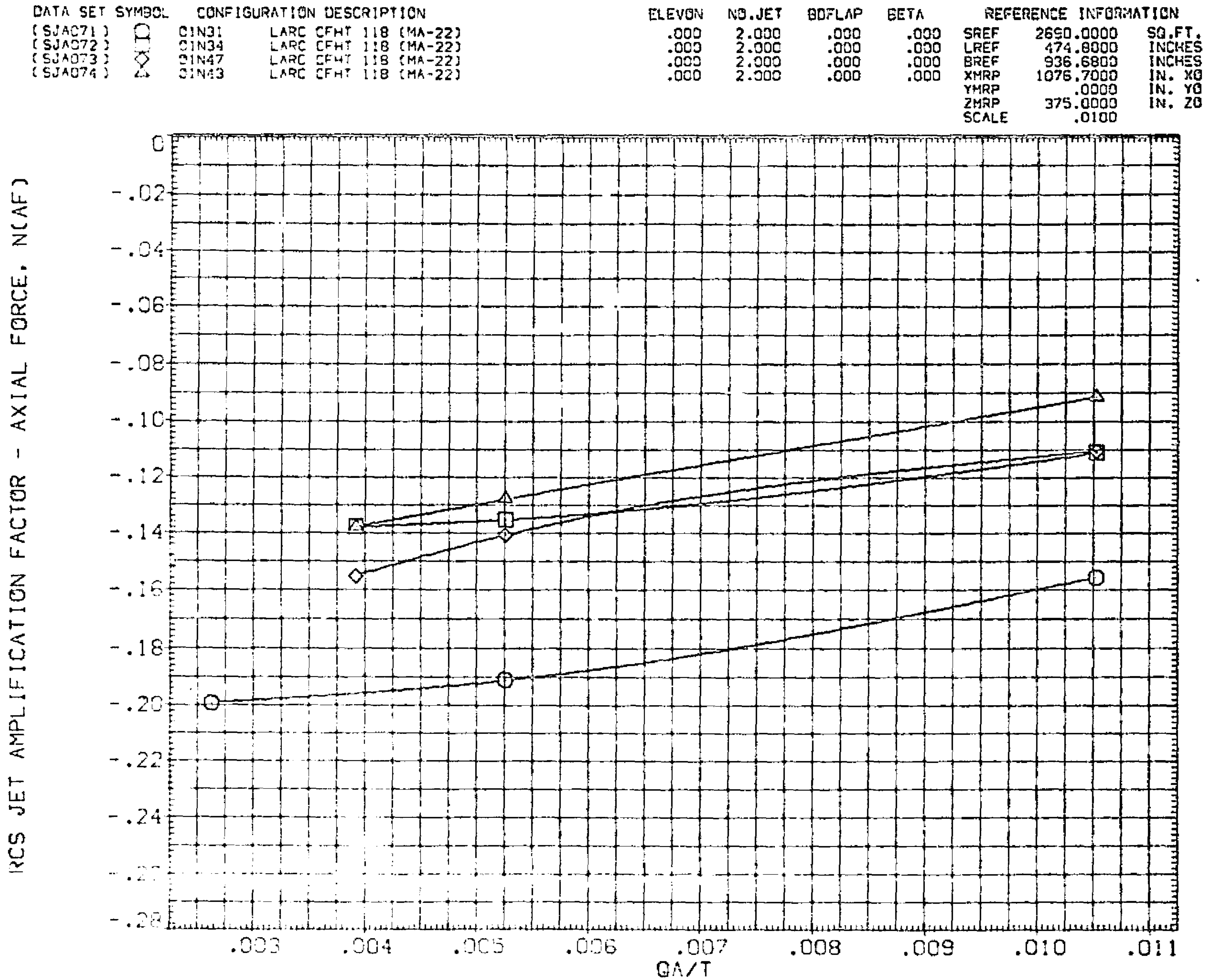

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

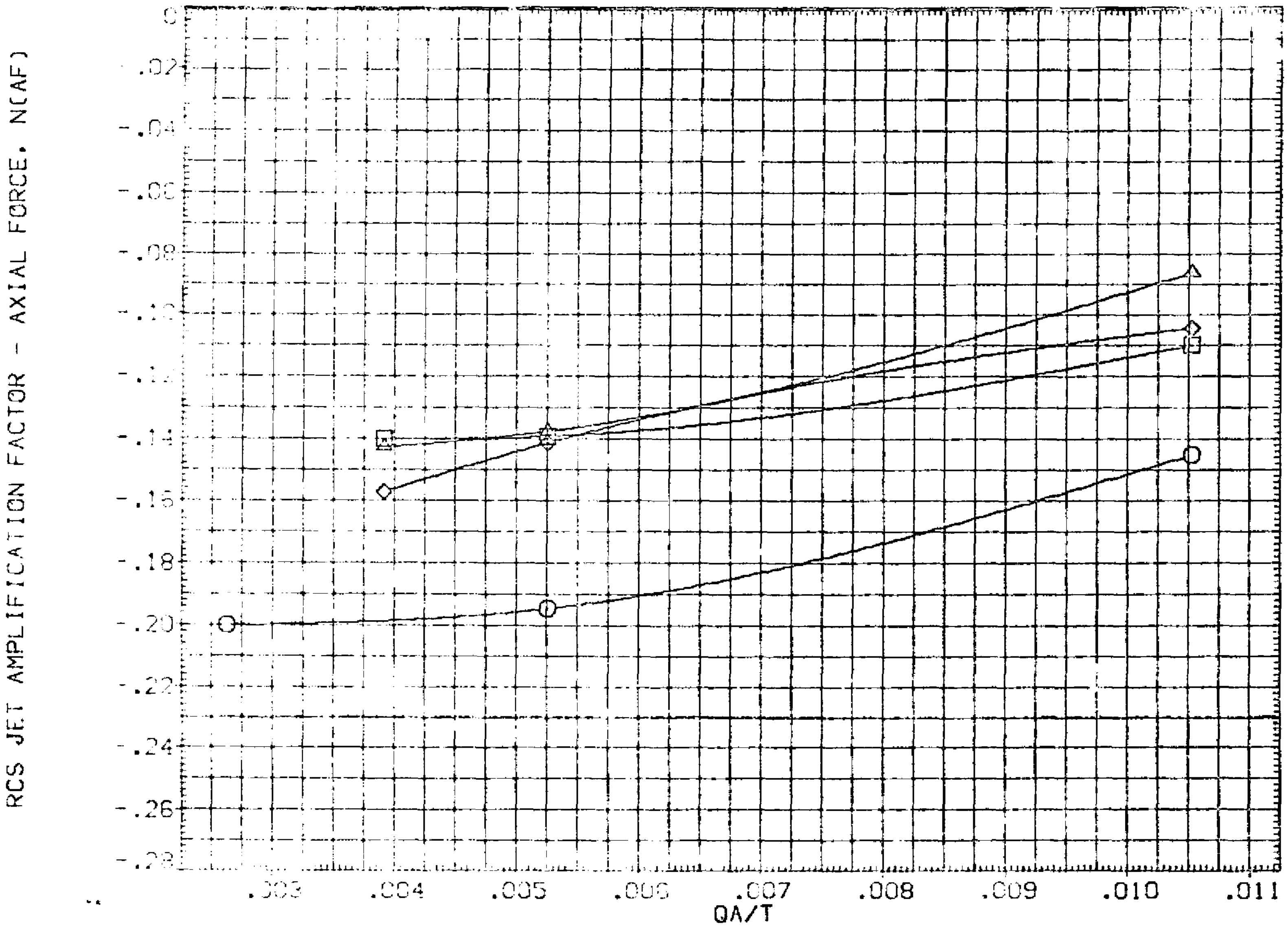

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	
(SJA071)	○	CIN31	LARC CFHT 118 (MA-22)
(SJA072)	□	CIN34	LARC CFHT 118 (MA-22)
(SJA073)	◇	CIN47	LARC CFHT 118 (MA-22)
(SJA074)	△	CIN43	LARC CFHT 118 (MA-22)

ELEVON	NO.JET	BDFLAP	BETA
.000	2.000	.000	.000
.000	2.000	.000	.000
.000	2.000	.000	.000
.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

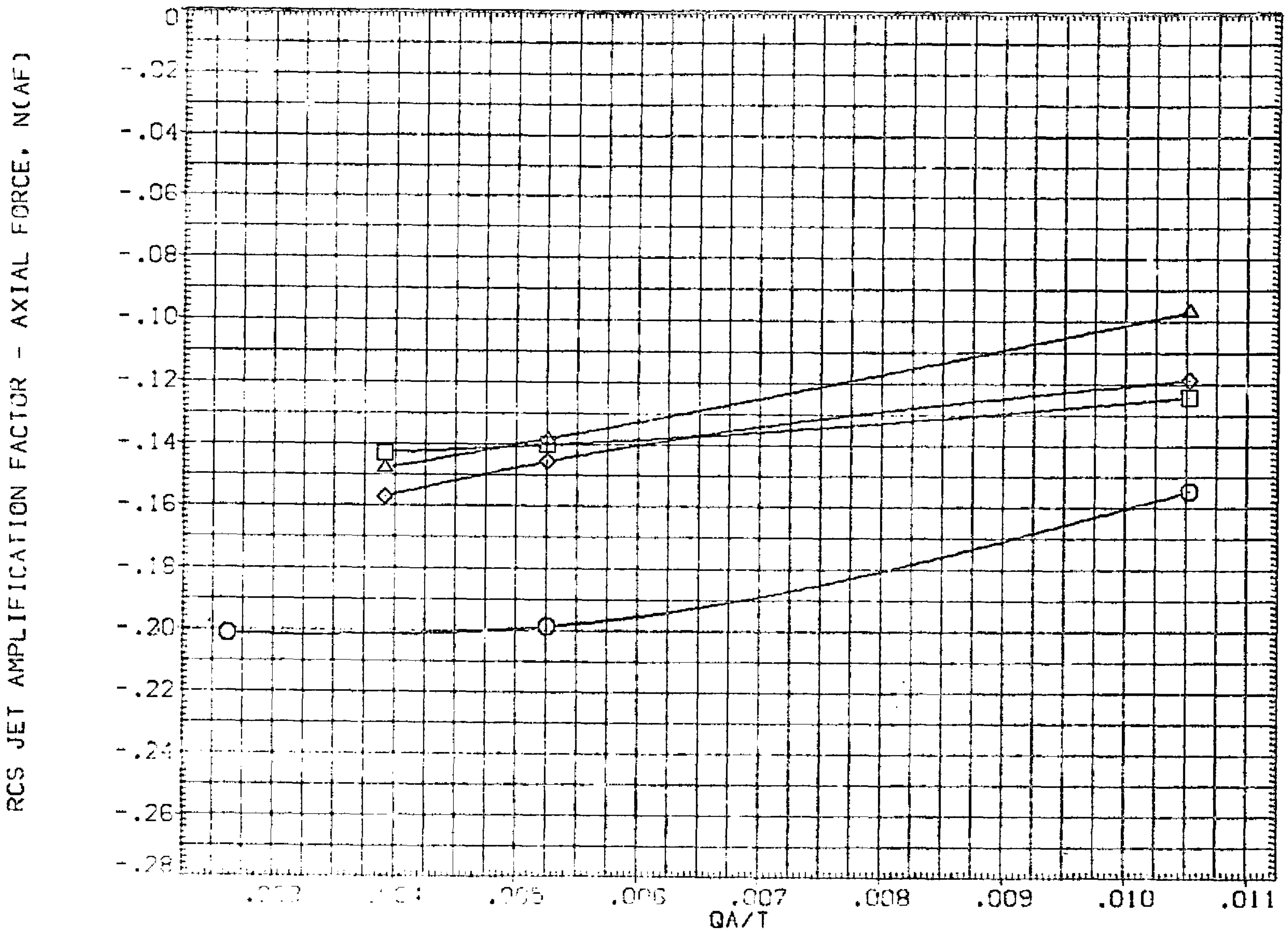

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

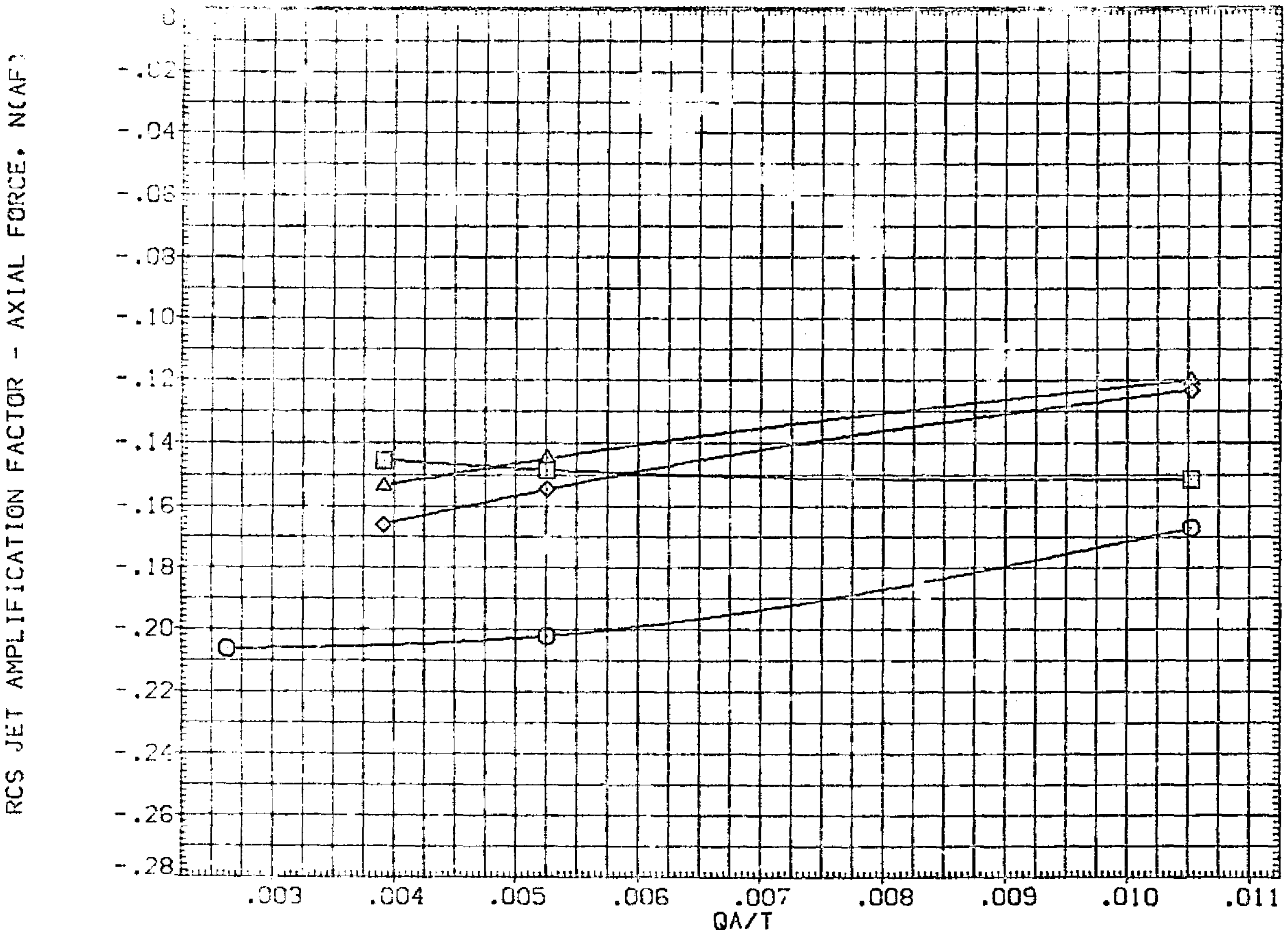

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

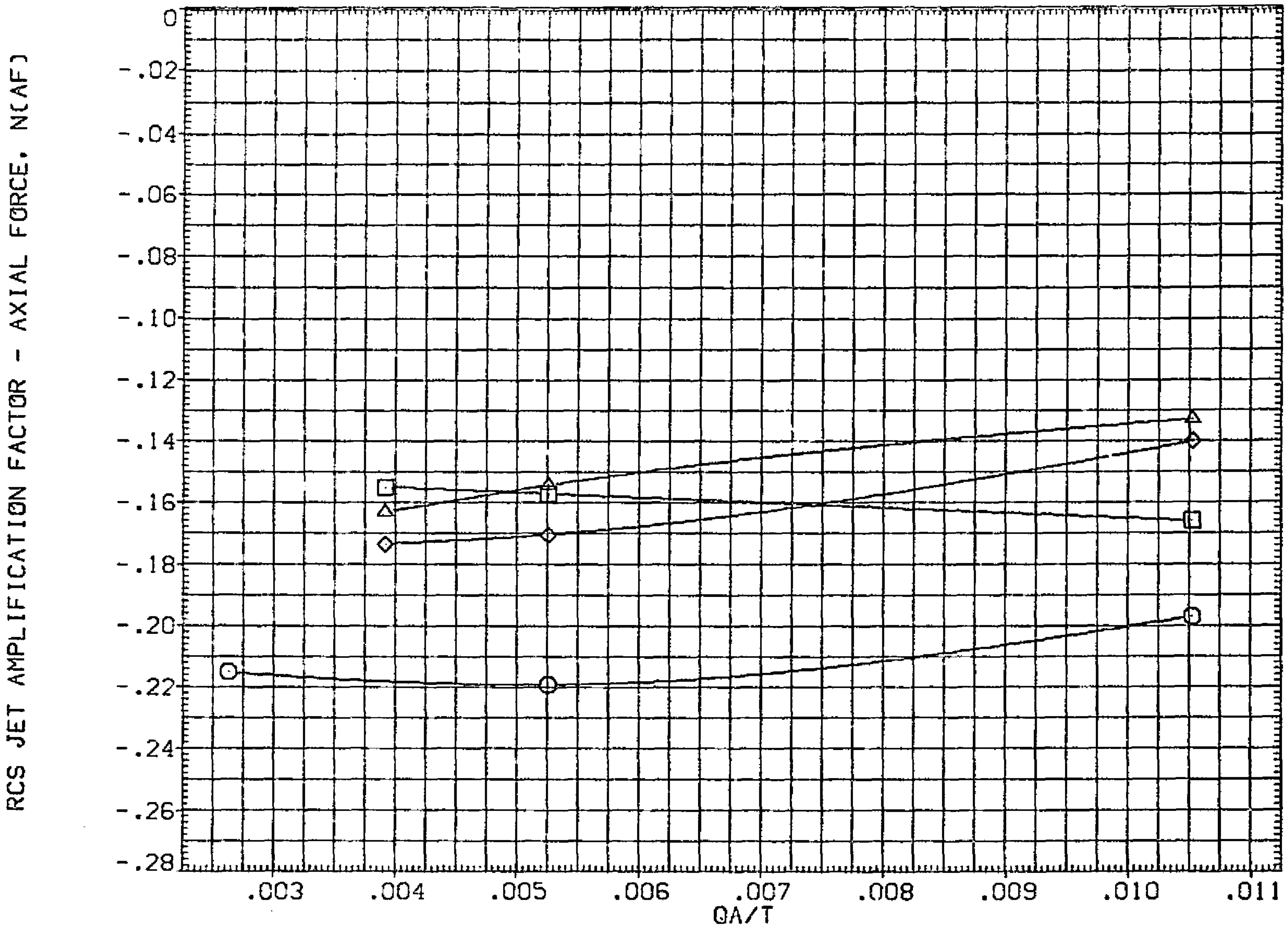

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

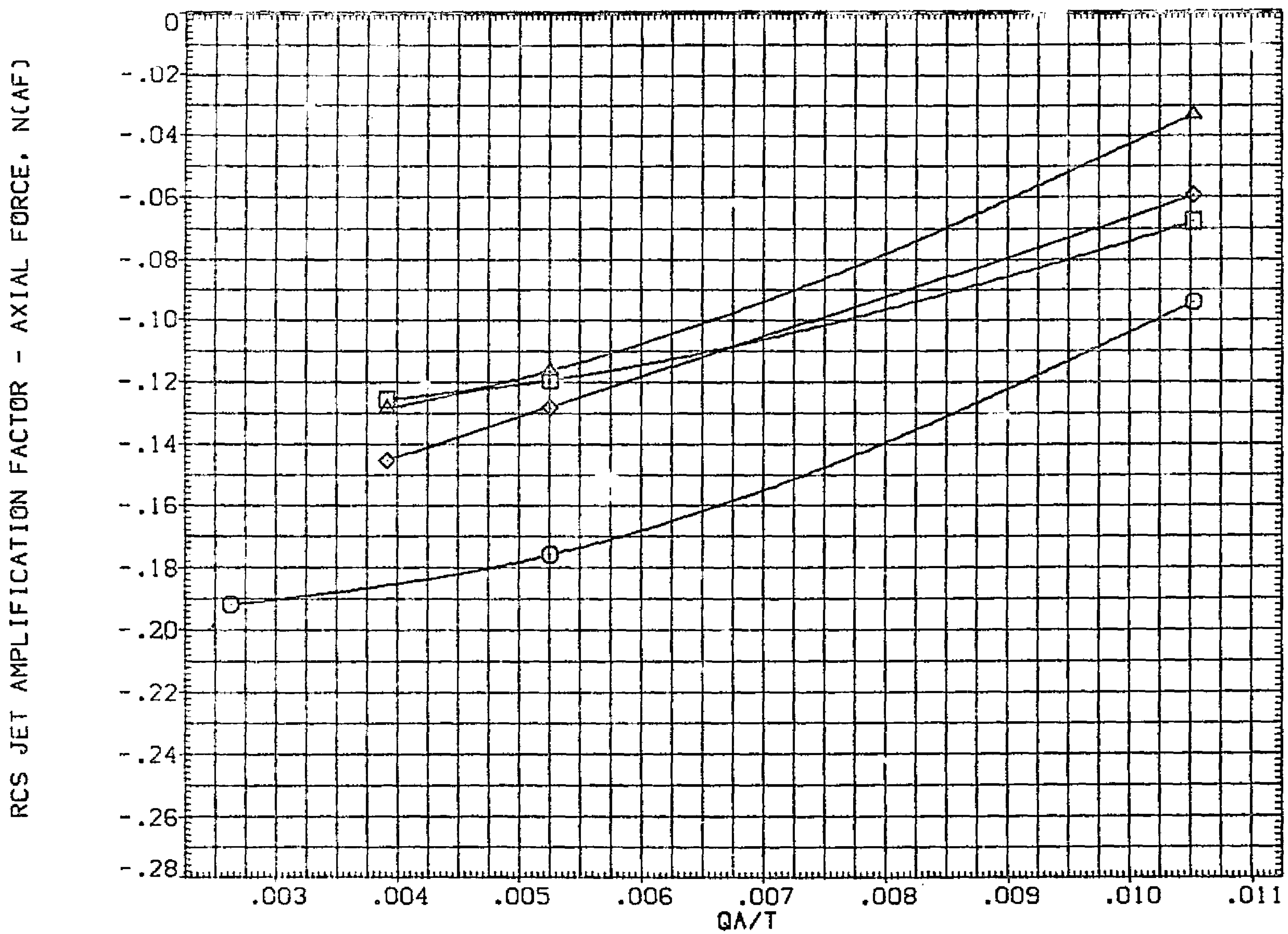

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

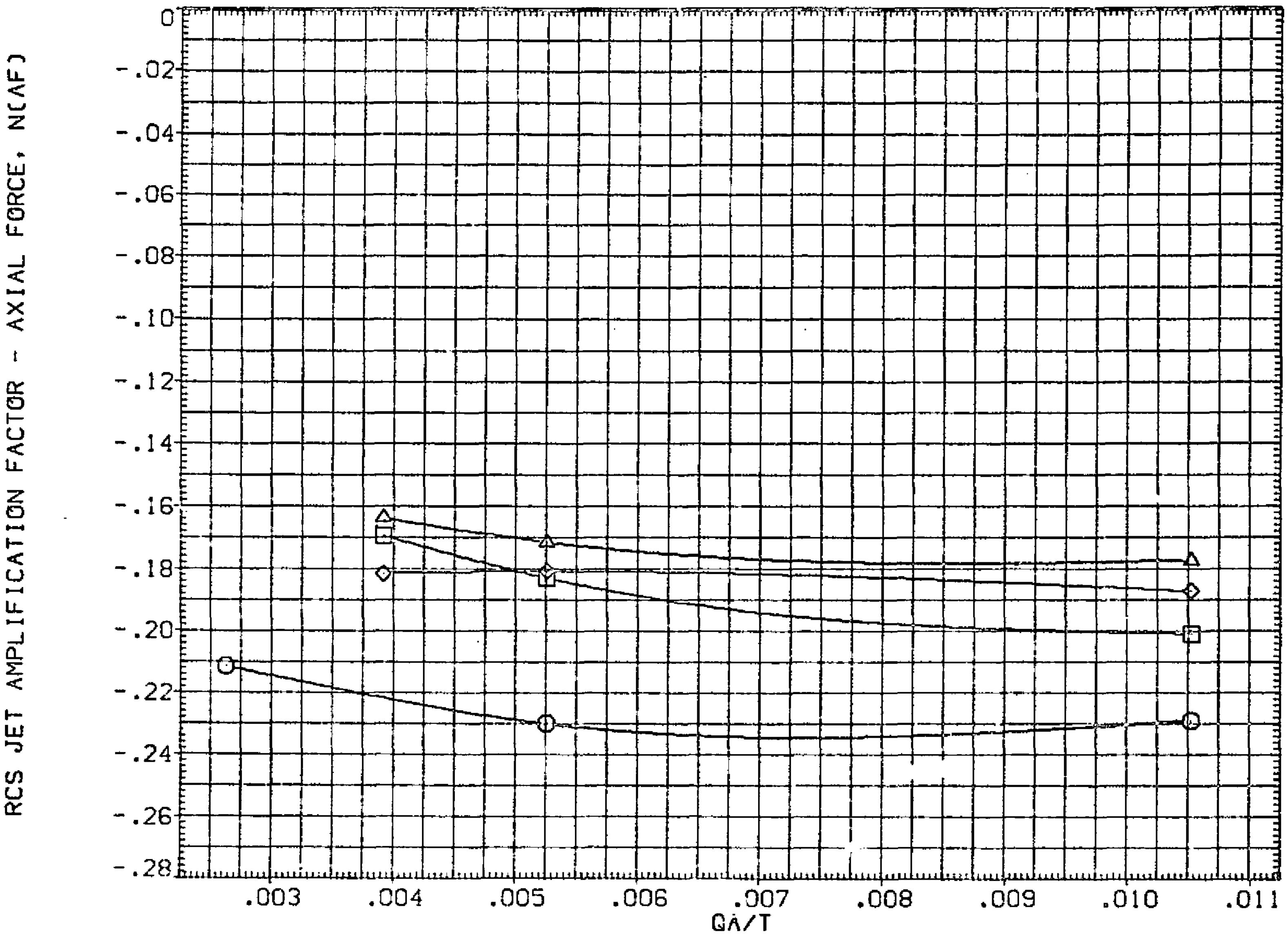

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(K)ALPHA = 15.00

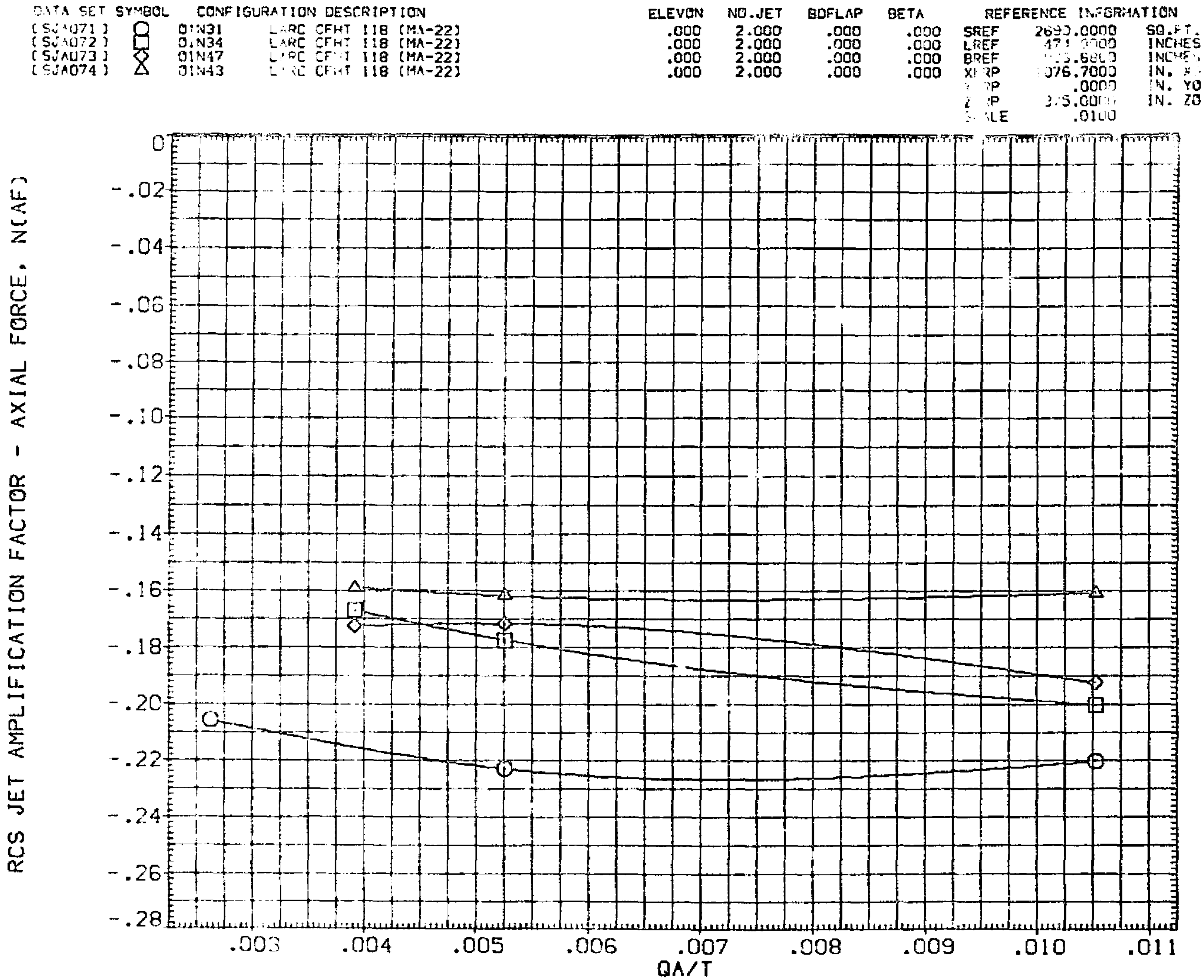

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

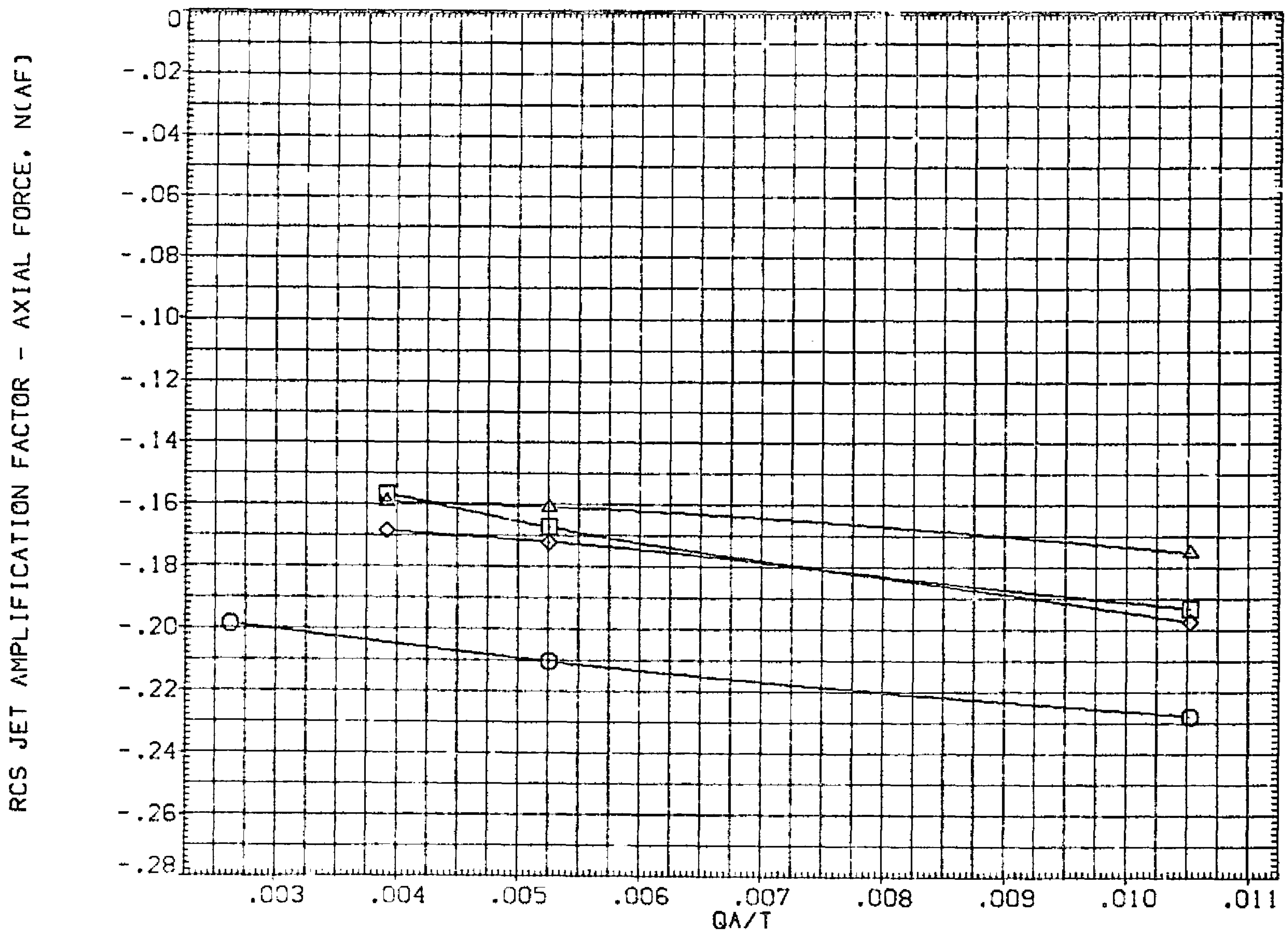

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

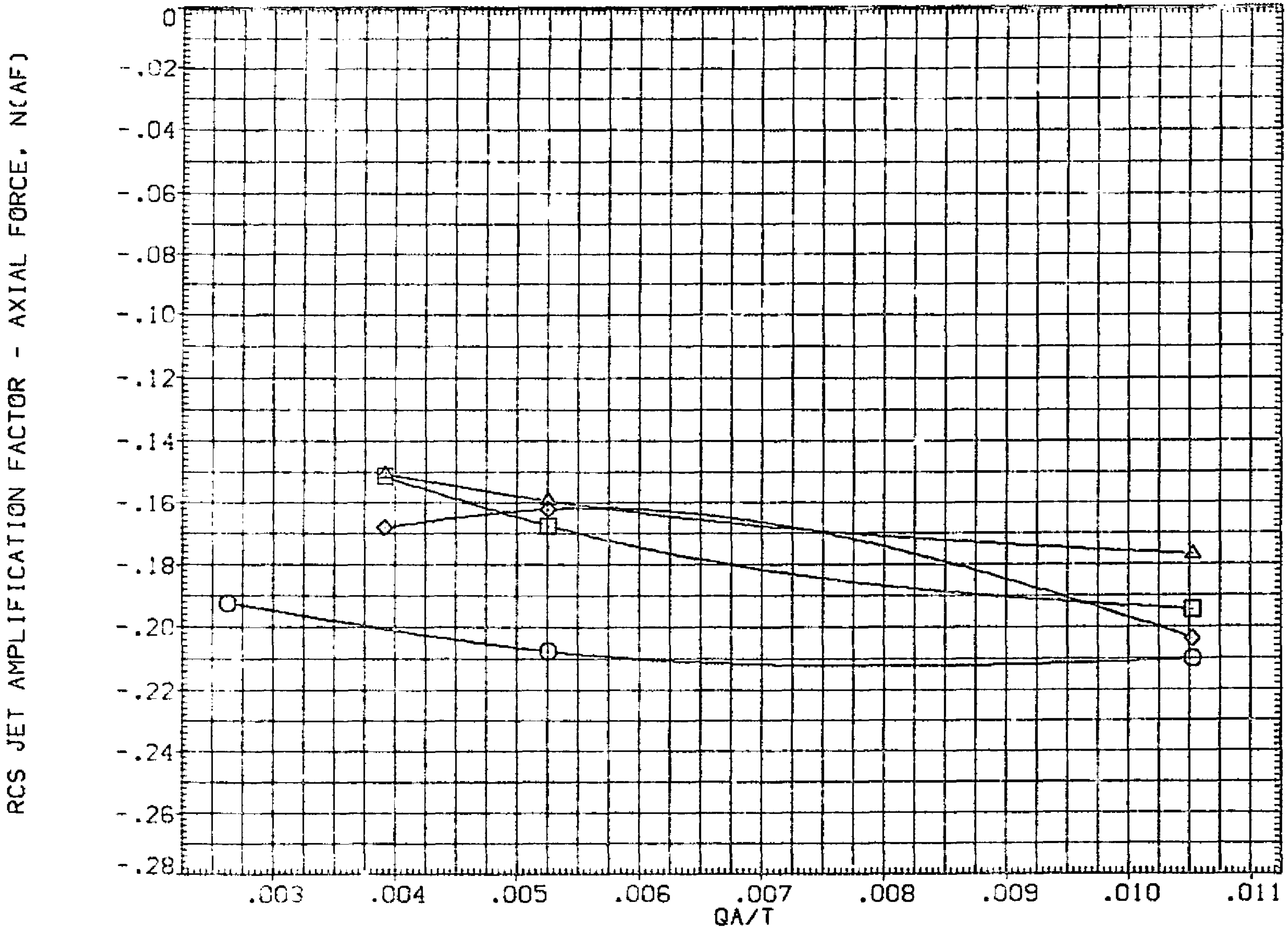

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	OIN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	OIN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	OIN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	OIN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

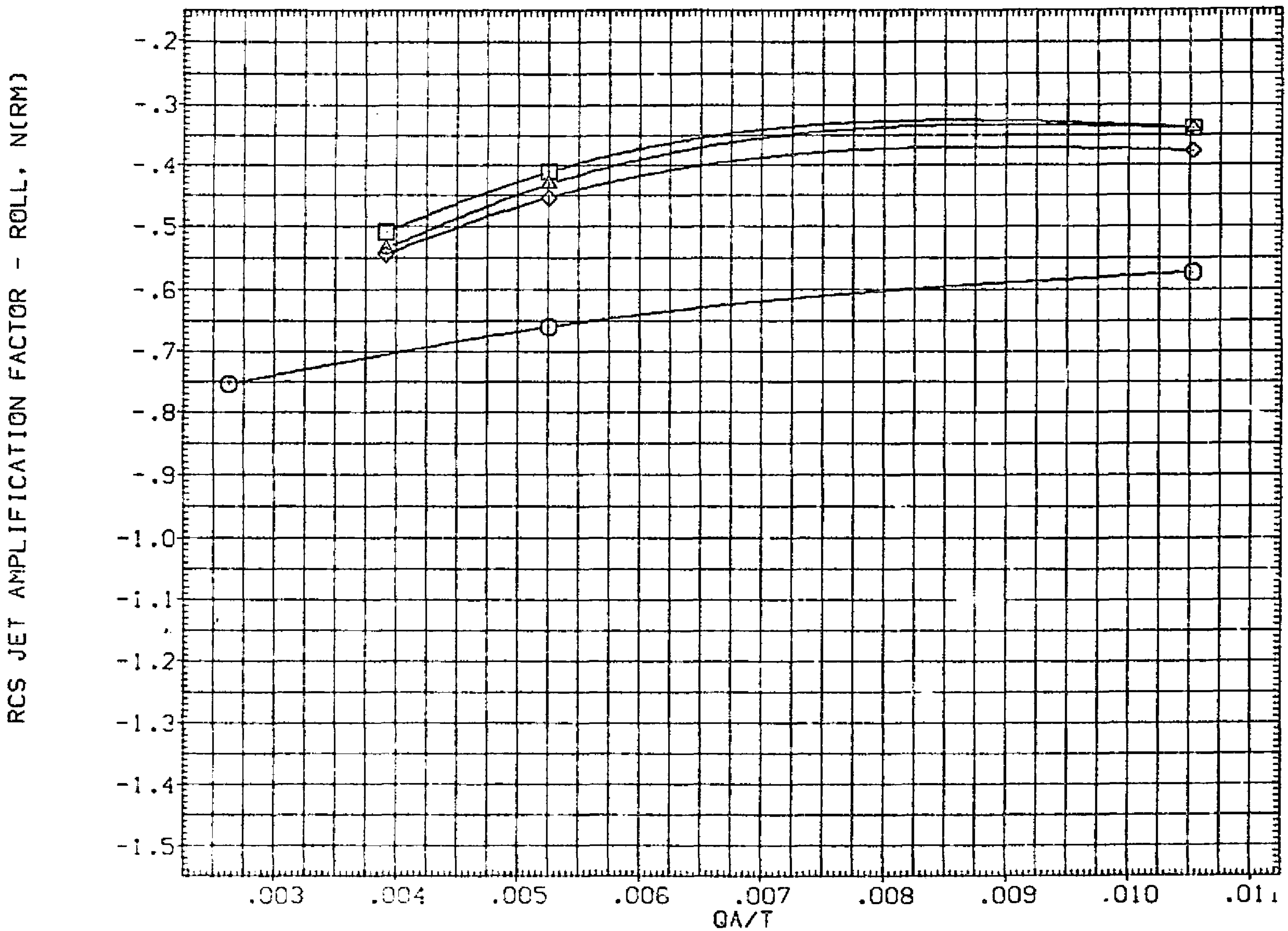

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

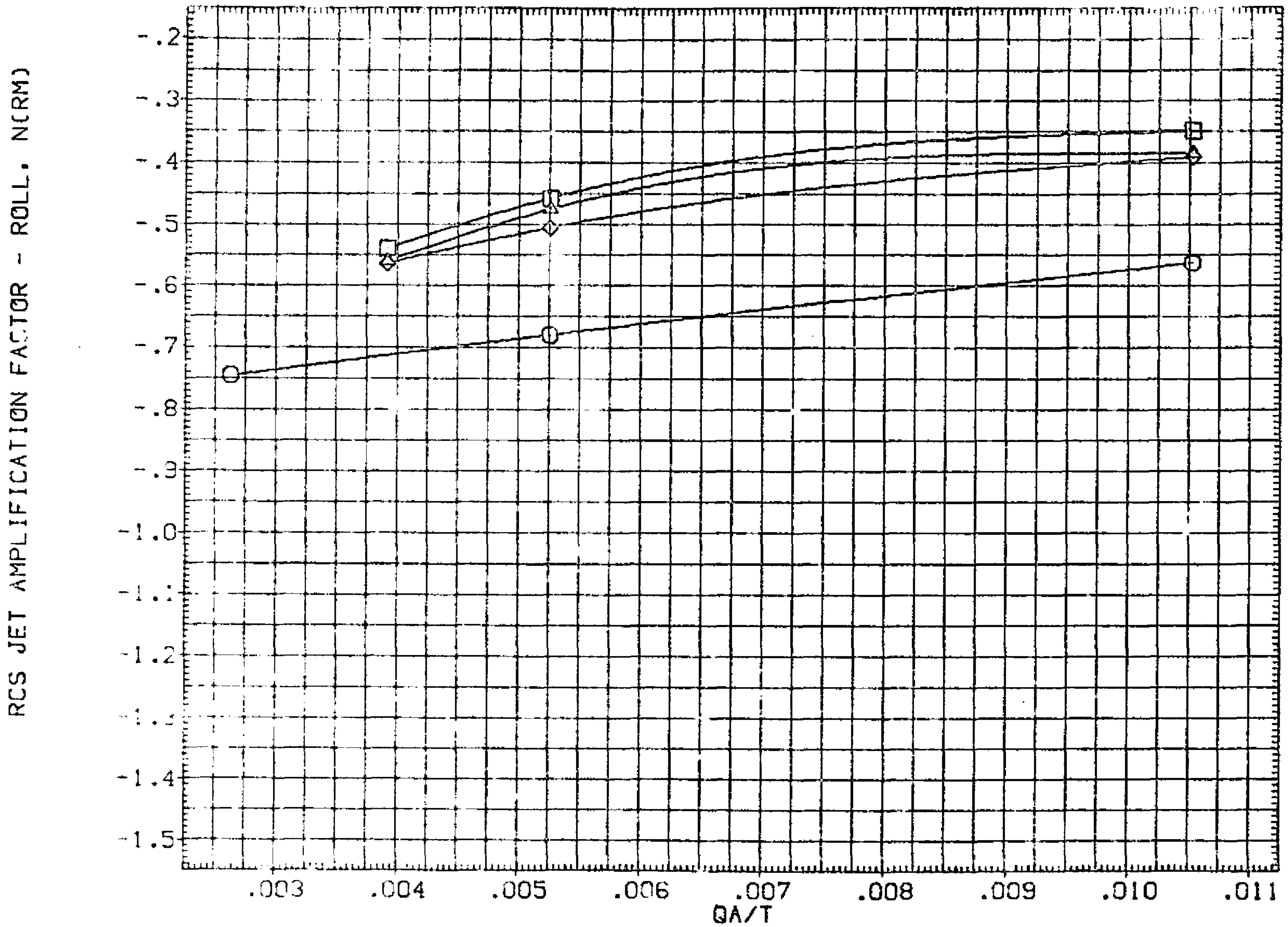

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

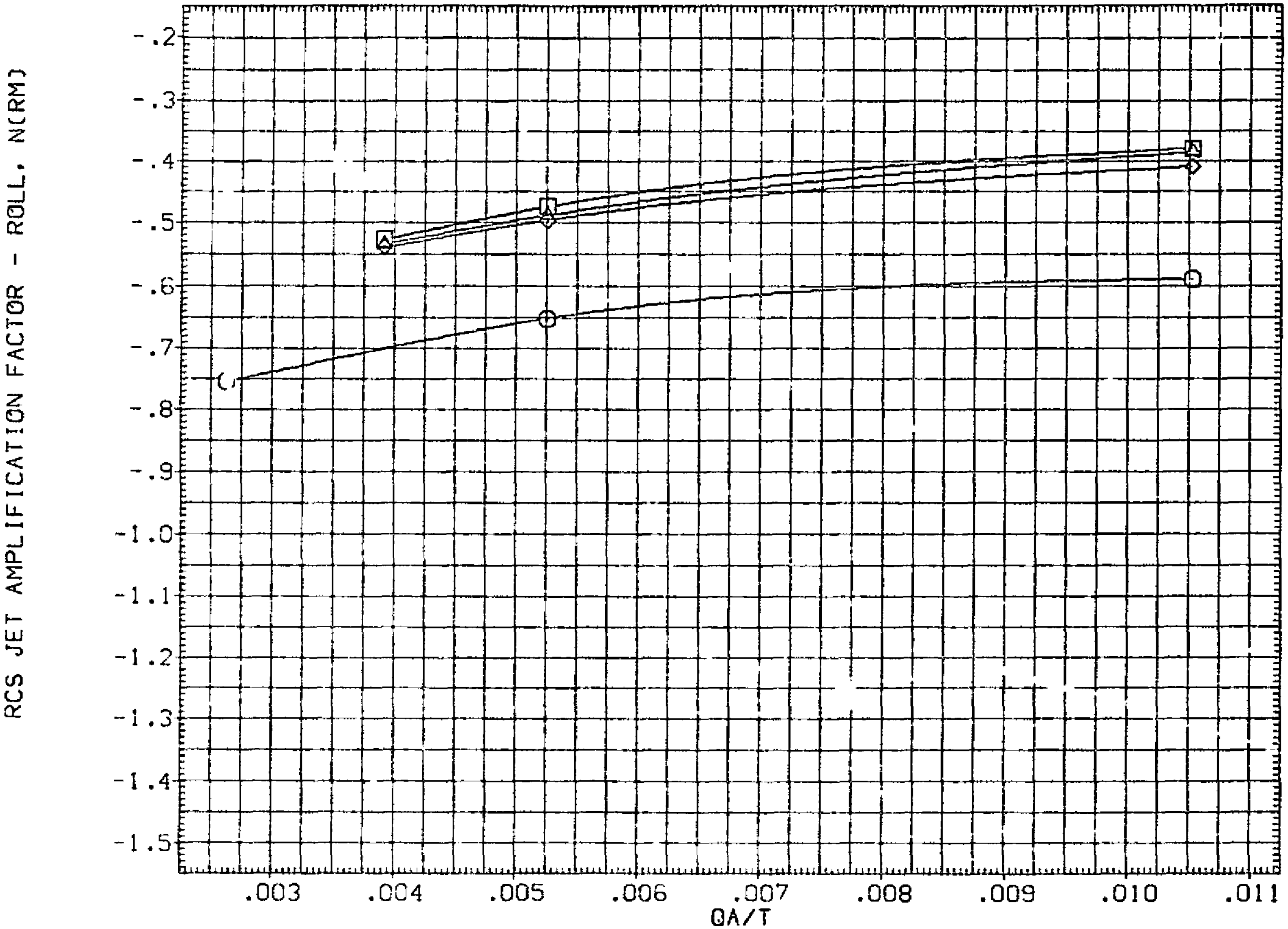

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 11: (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

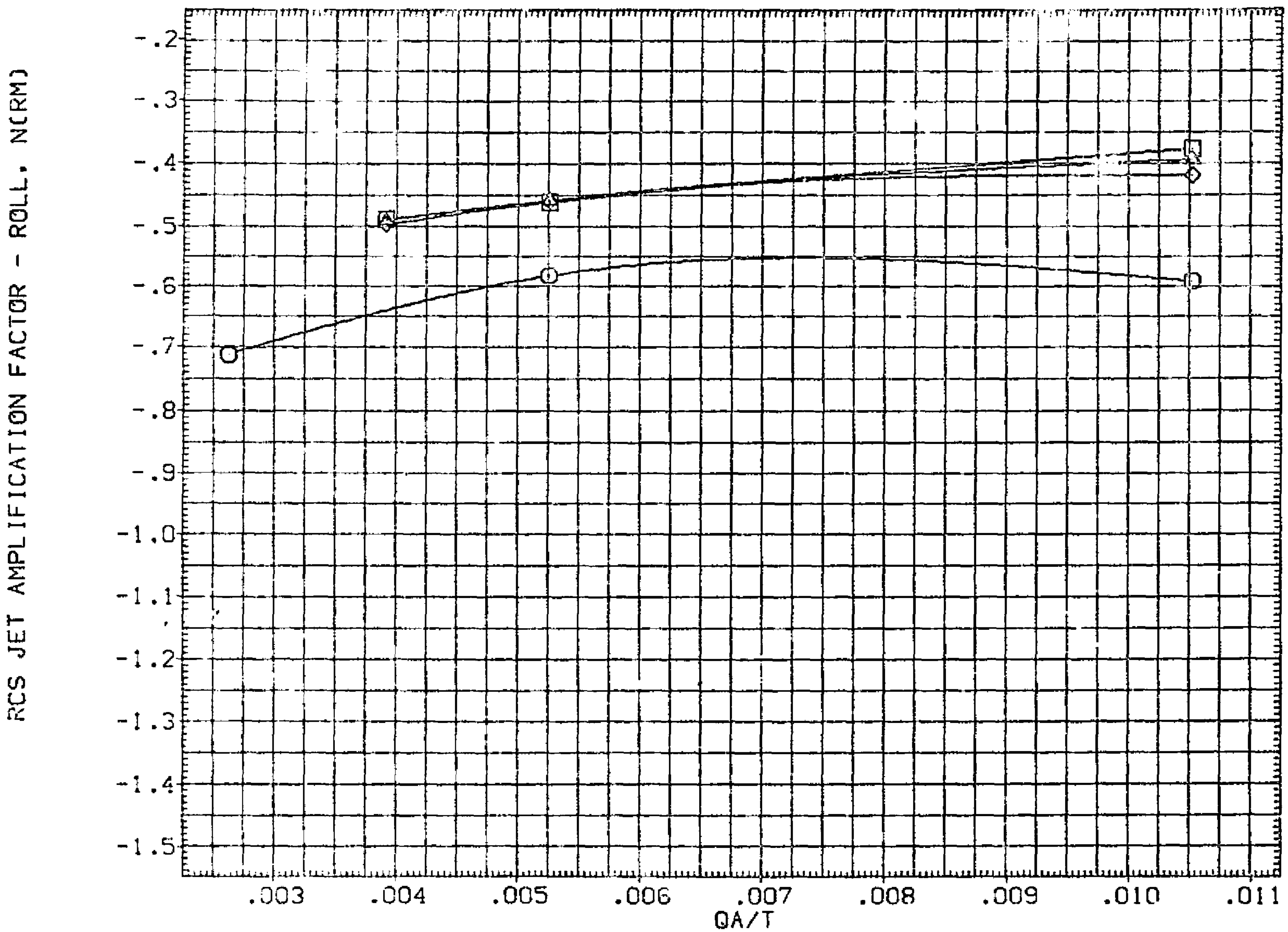

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(D)ALPHA = -2.00

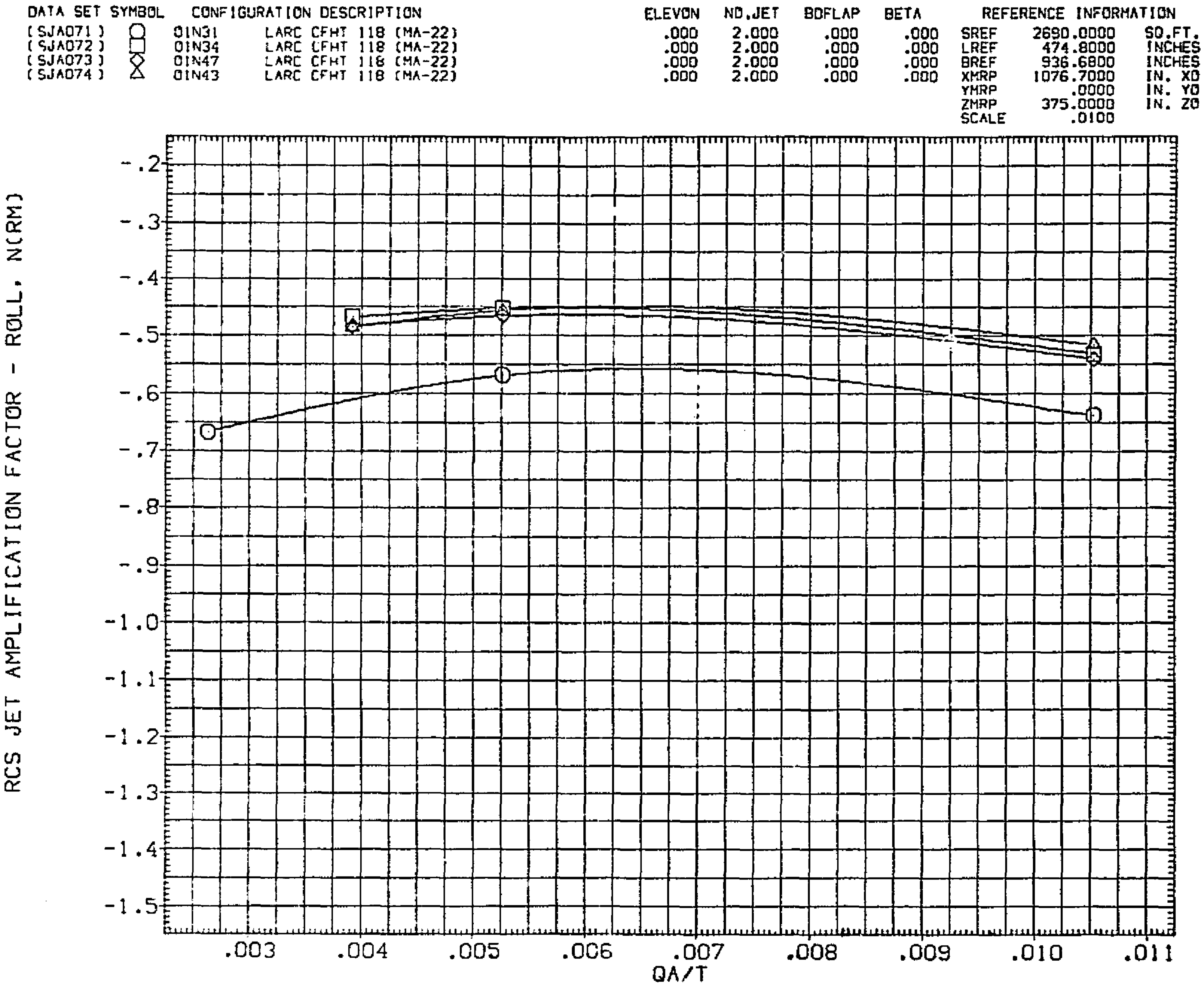

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

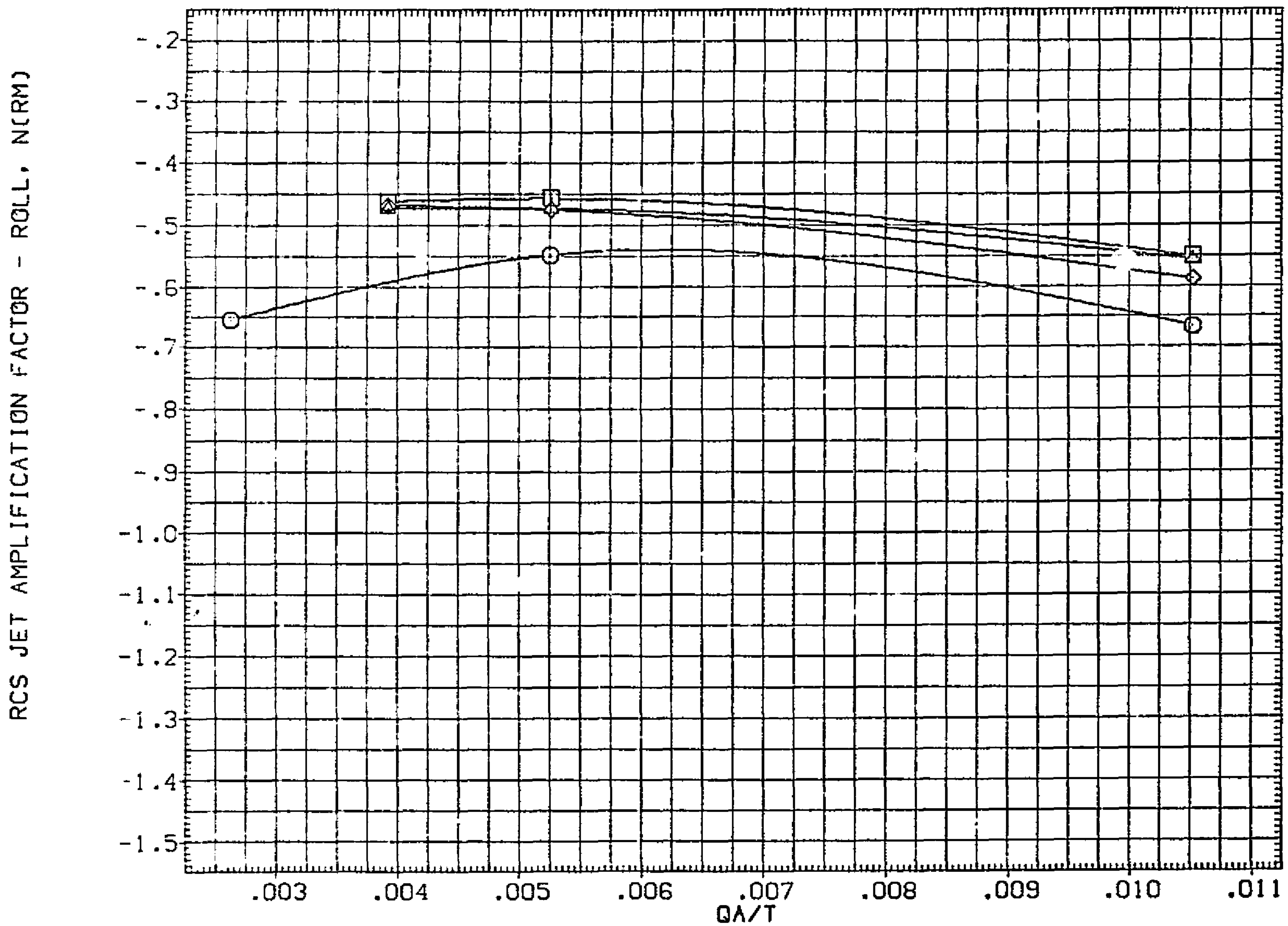

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

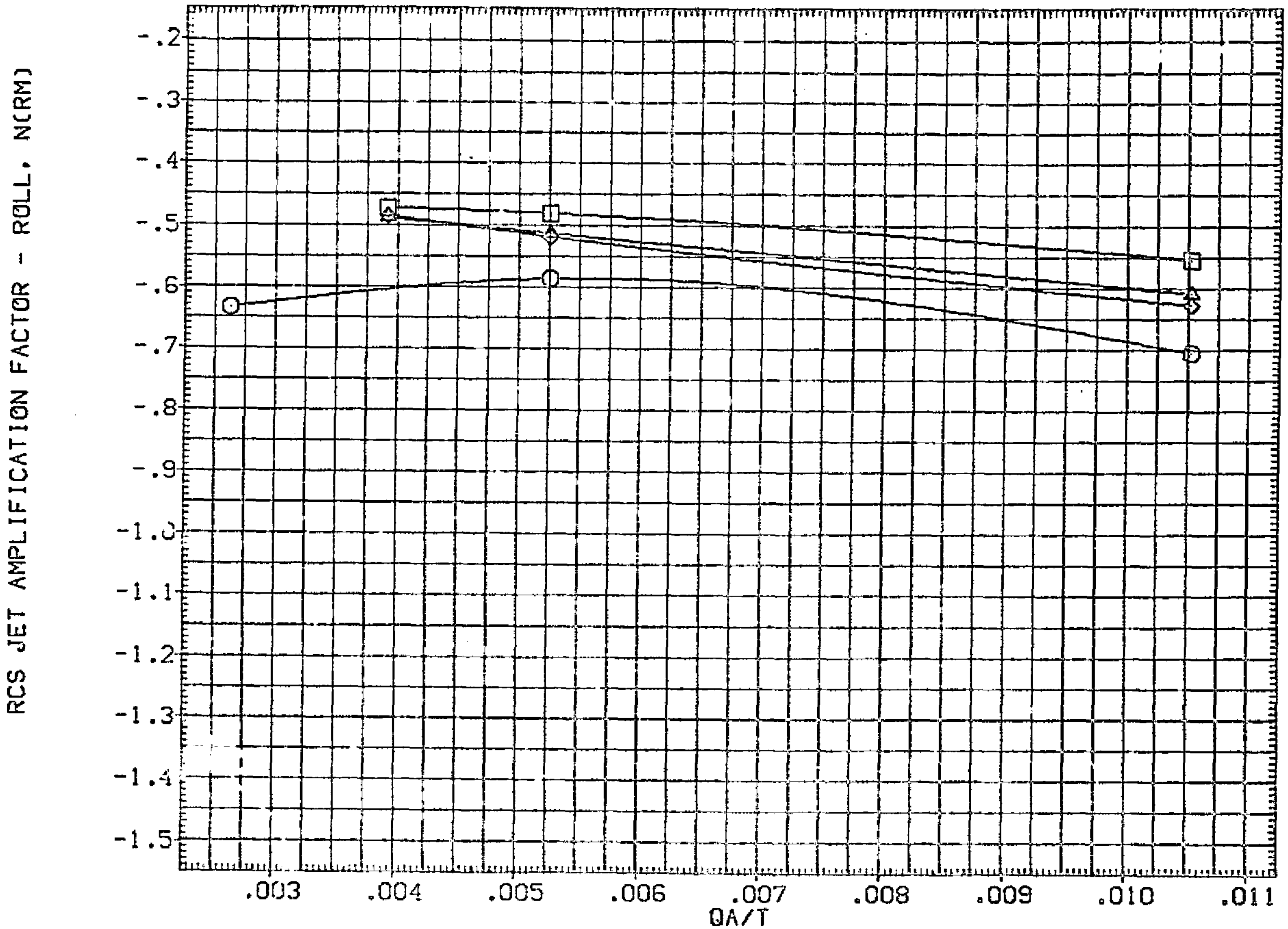

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31 [illegible] CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34 [illegible] CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N[illegible] [illegible] CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43 [illegible] CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	IN.
BREF	[illegible].6800	IN.
XMRP	1076.7000	[illegible]
YMRP	.0000	[illegible]
ZMRP	375.0[illegible]	[illegible]
SCALE	.010	

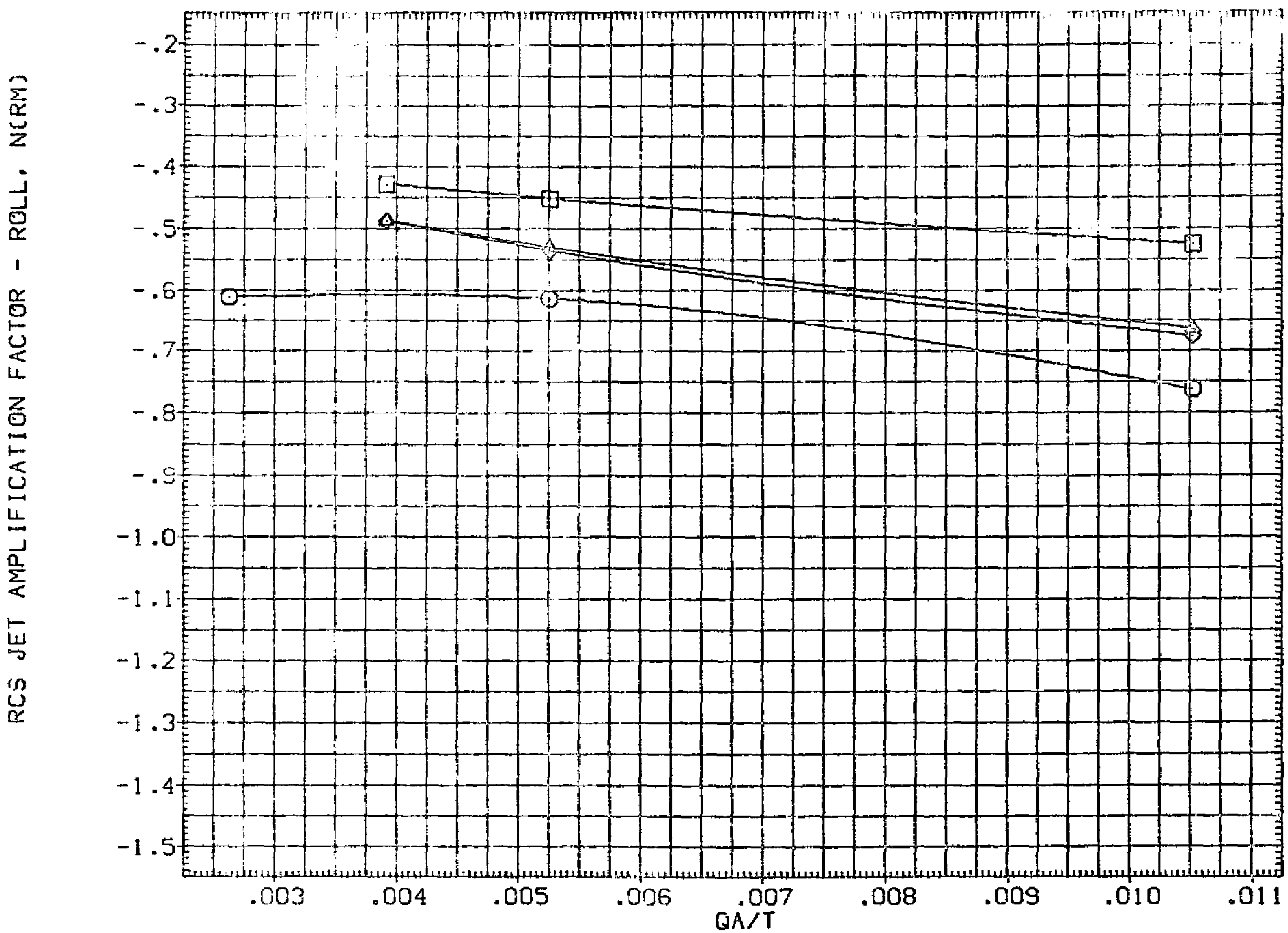

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

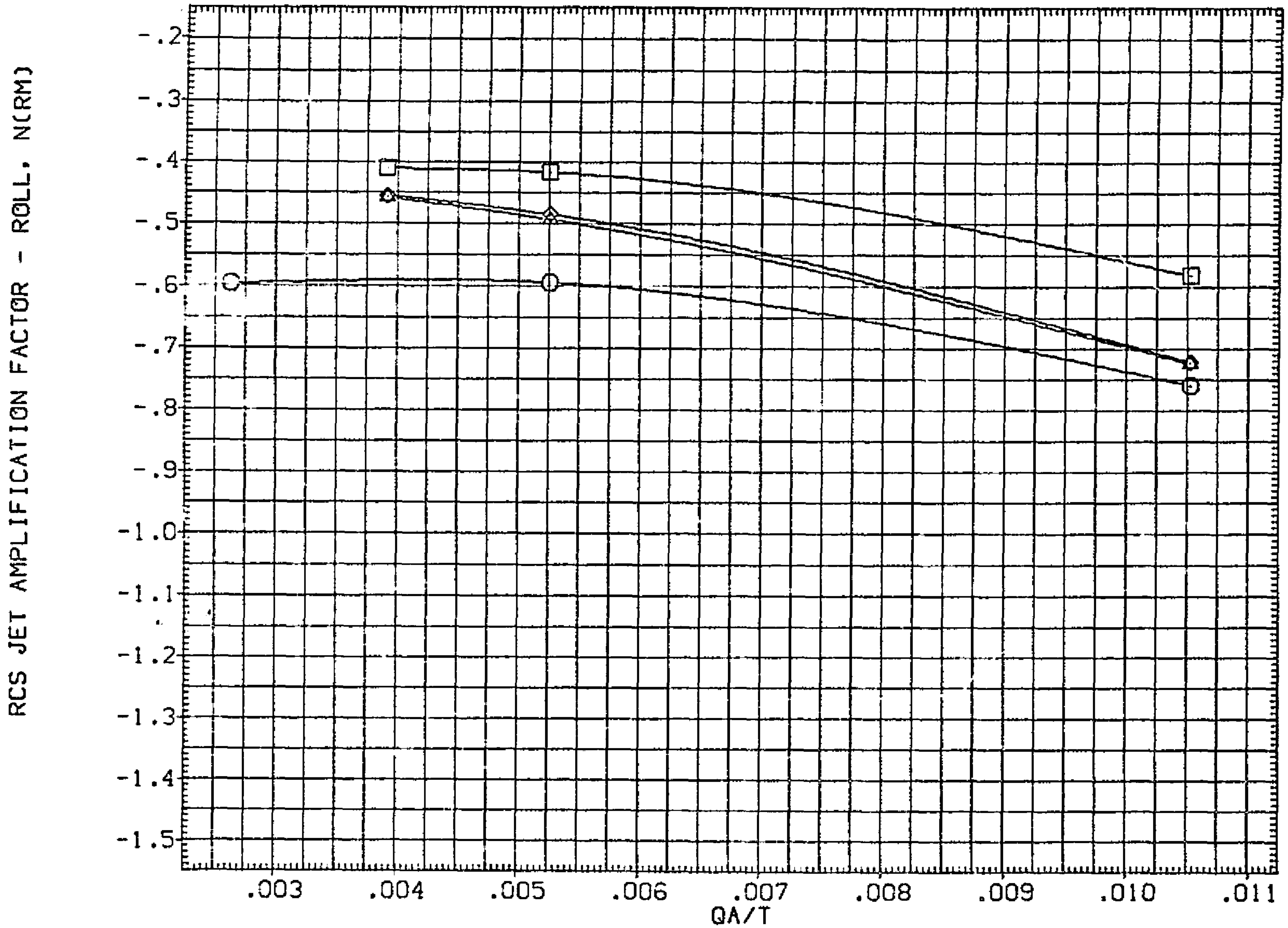

FIGURE 93. AREA RATIO EFFECTS, !/H DOWN FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN.
YMRP	.0000	IN.
ZMRP	375.0000	IN.
SCALE	.0100	

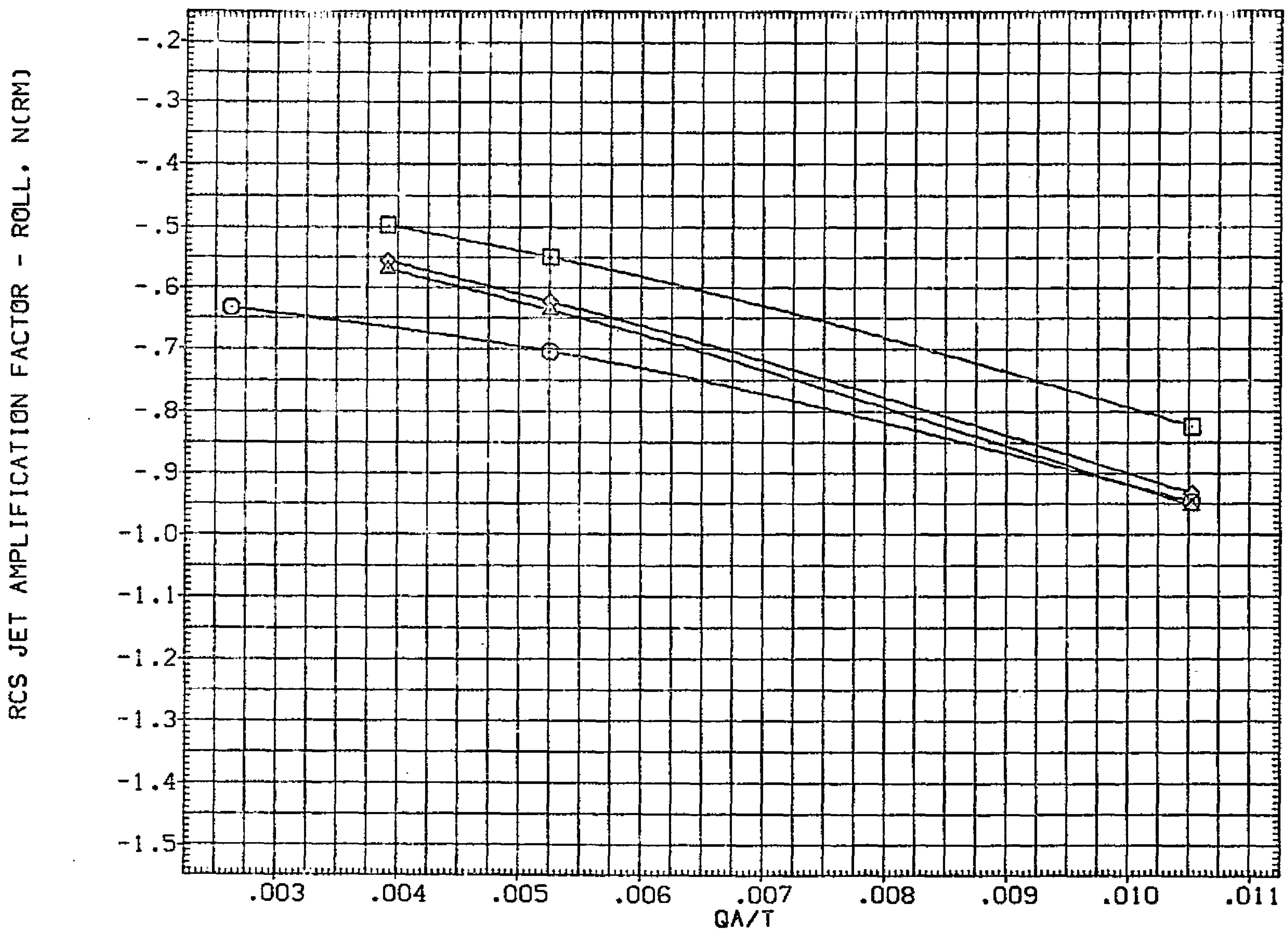

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

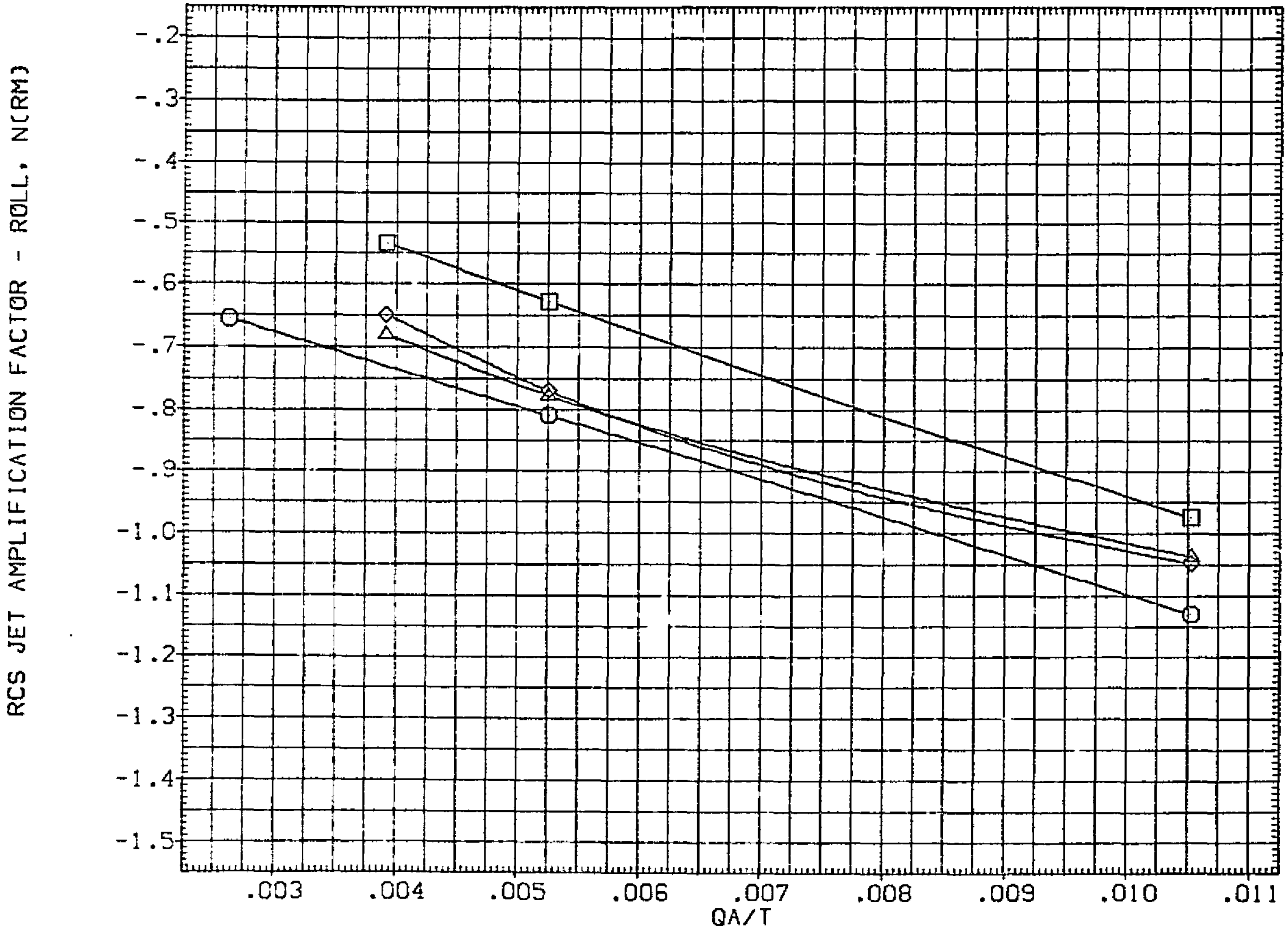

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(K)ALPHA = 15.00

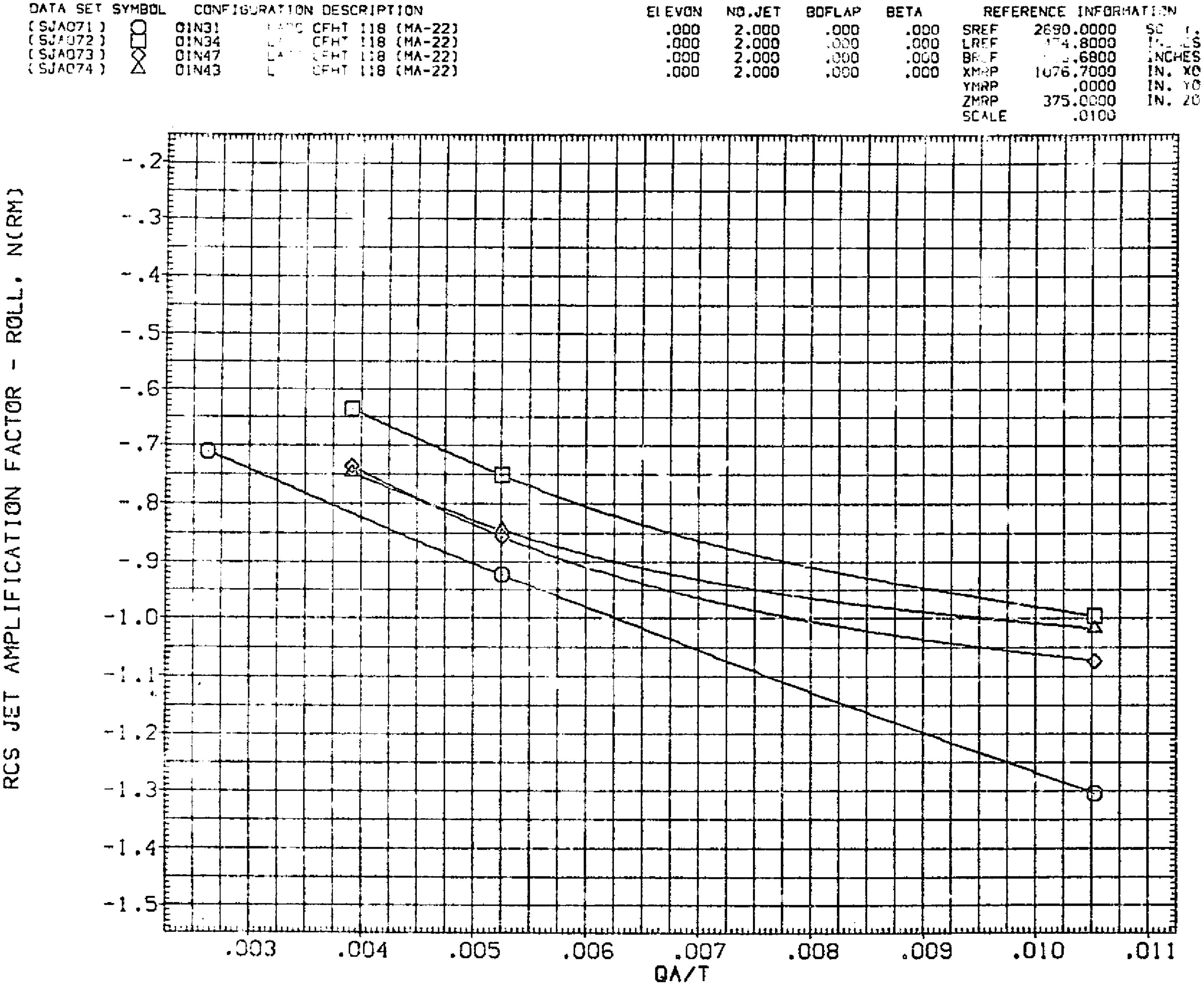

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

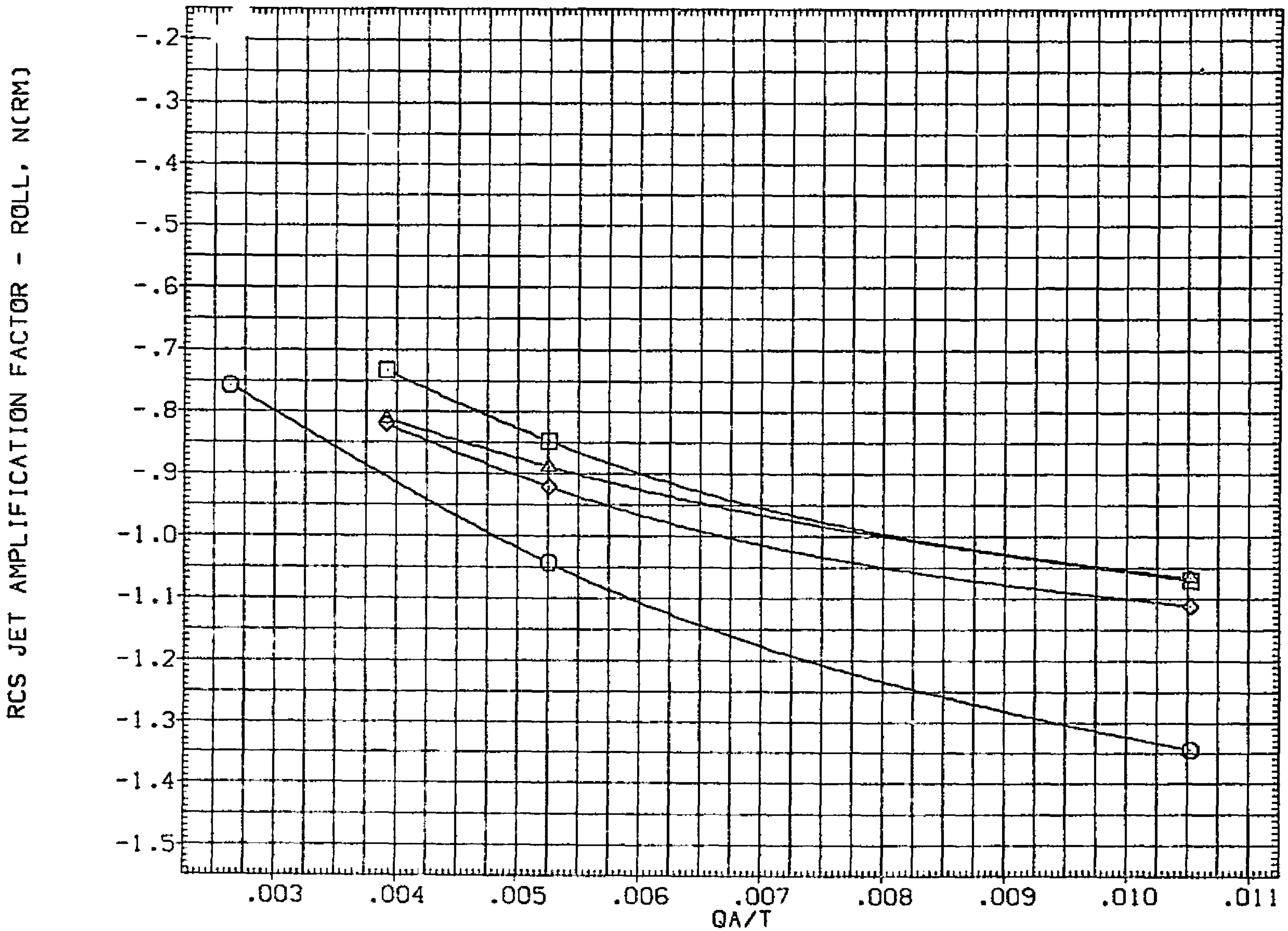

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

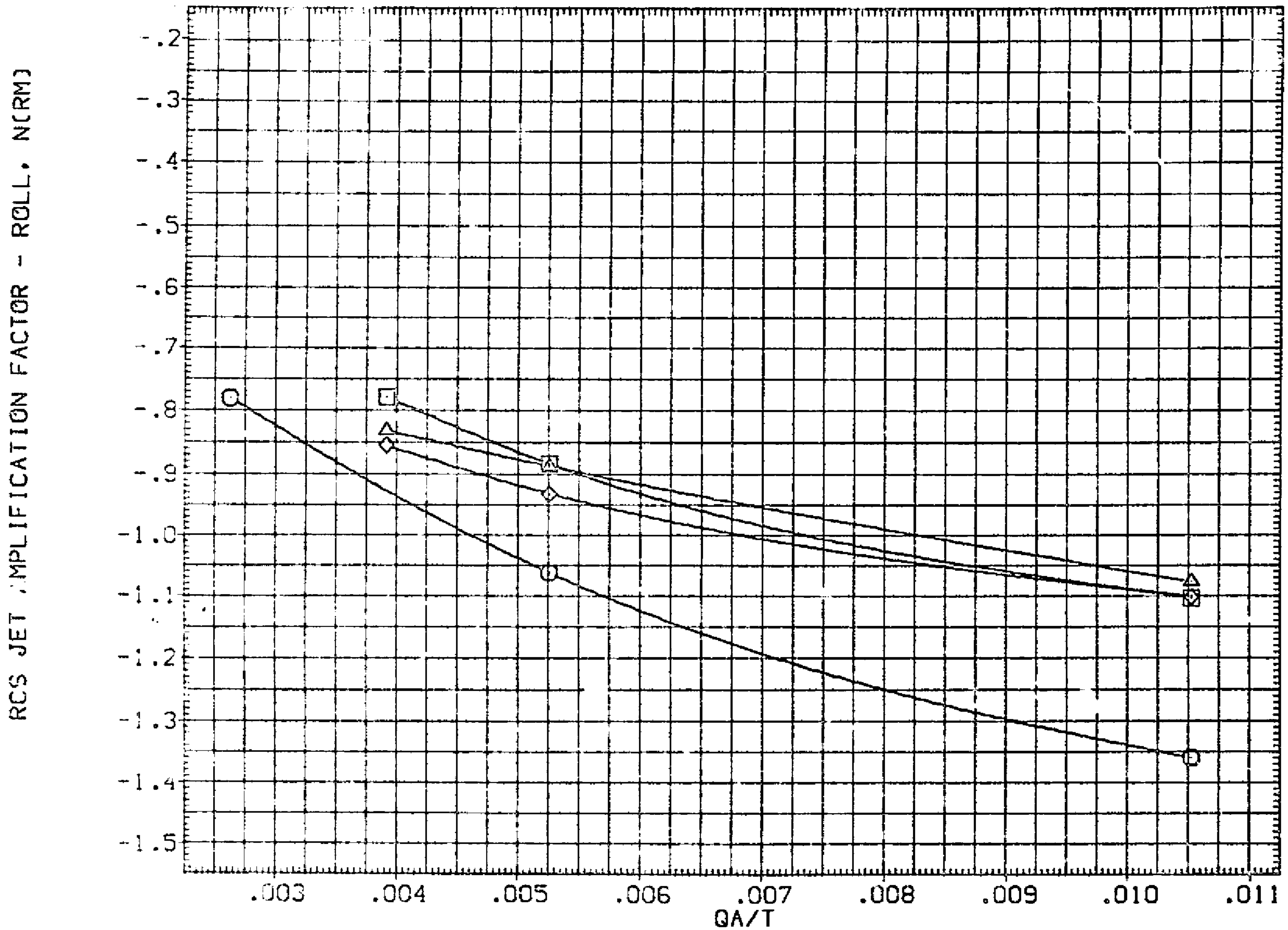

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

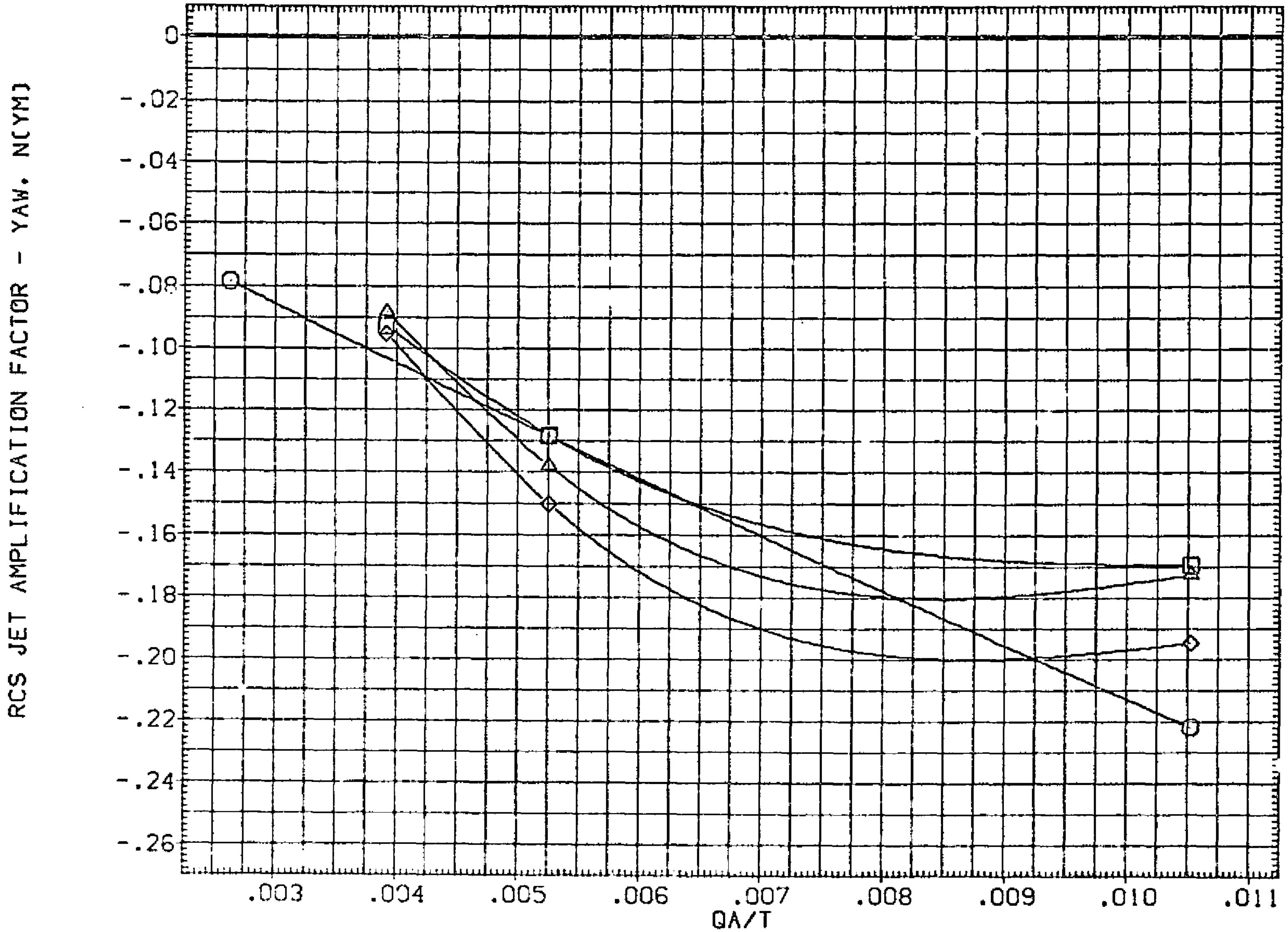

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31 [illegible]PC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34 [illegible]PC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47 [illegible]C CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43 [illegible]C CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	[illegible]0.0000	SQ.FT.
LREF	[illegible].8000	INCHES
BREF	[illegible].6800	INCHES
XMRP	[illegible]76.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.00[illegible]	IN. ZO
SCALE	.0[illegible]	

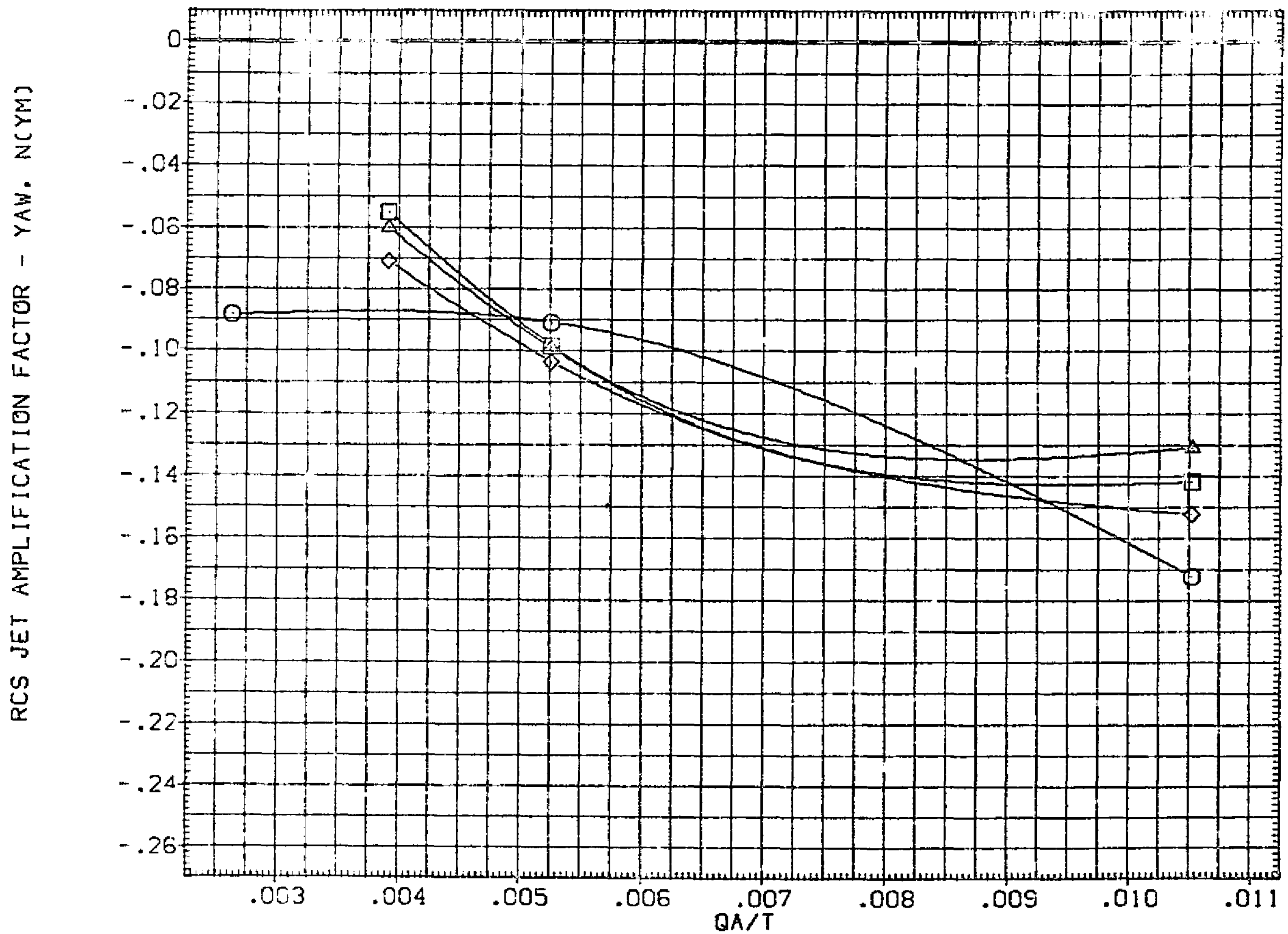

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS
(B)ALPHA = -6.00

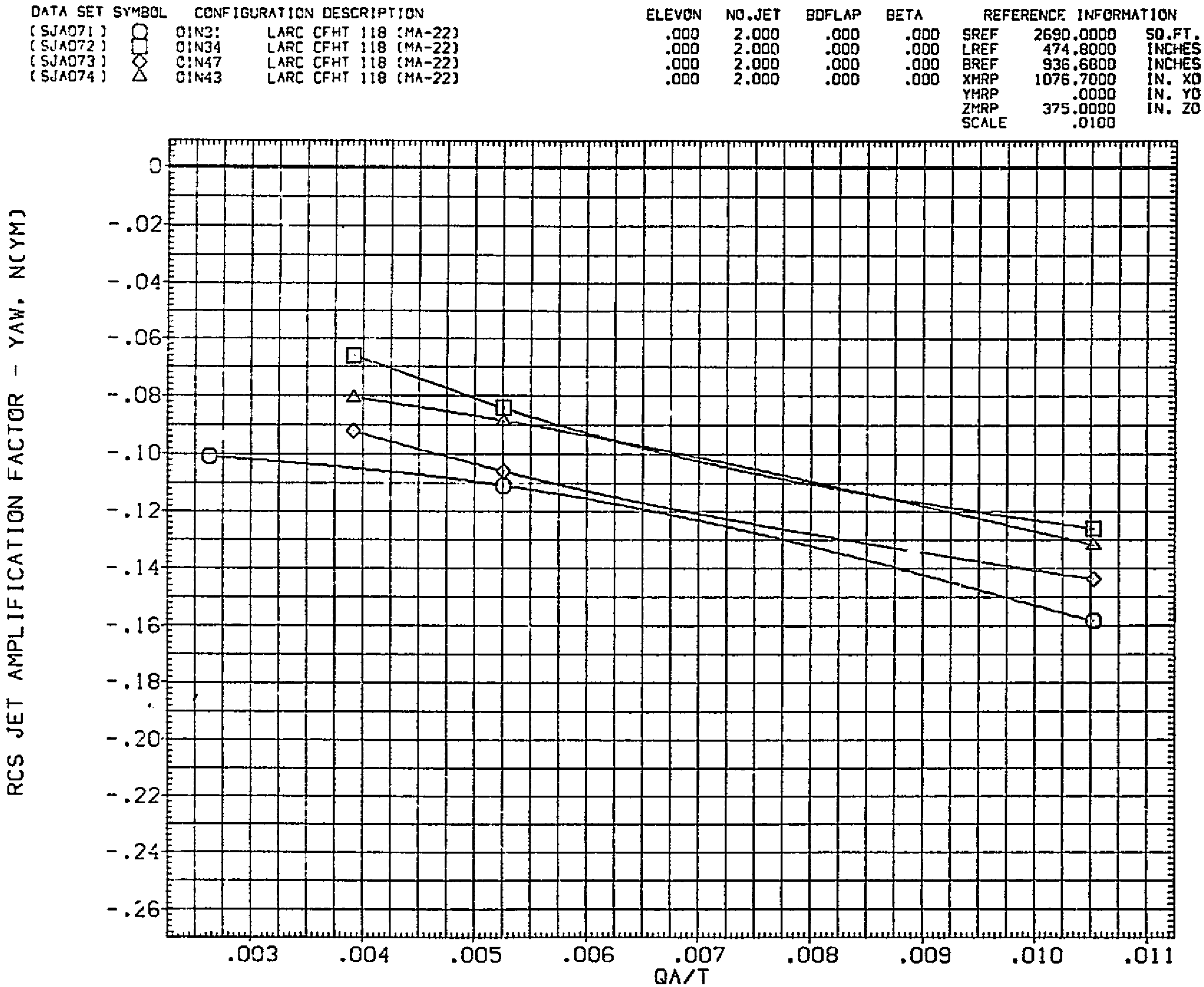

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

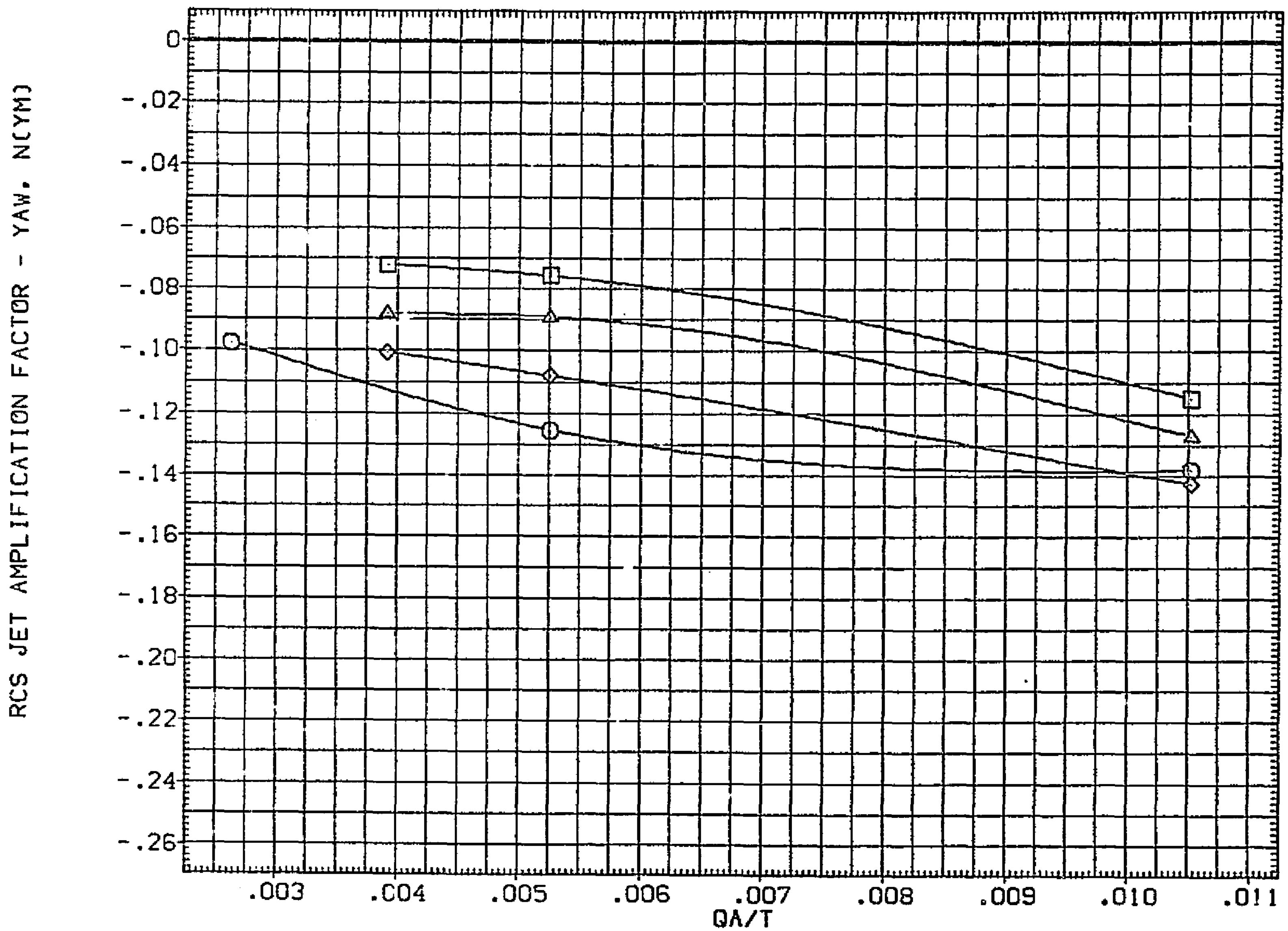

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

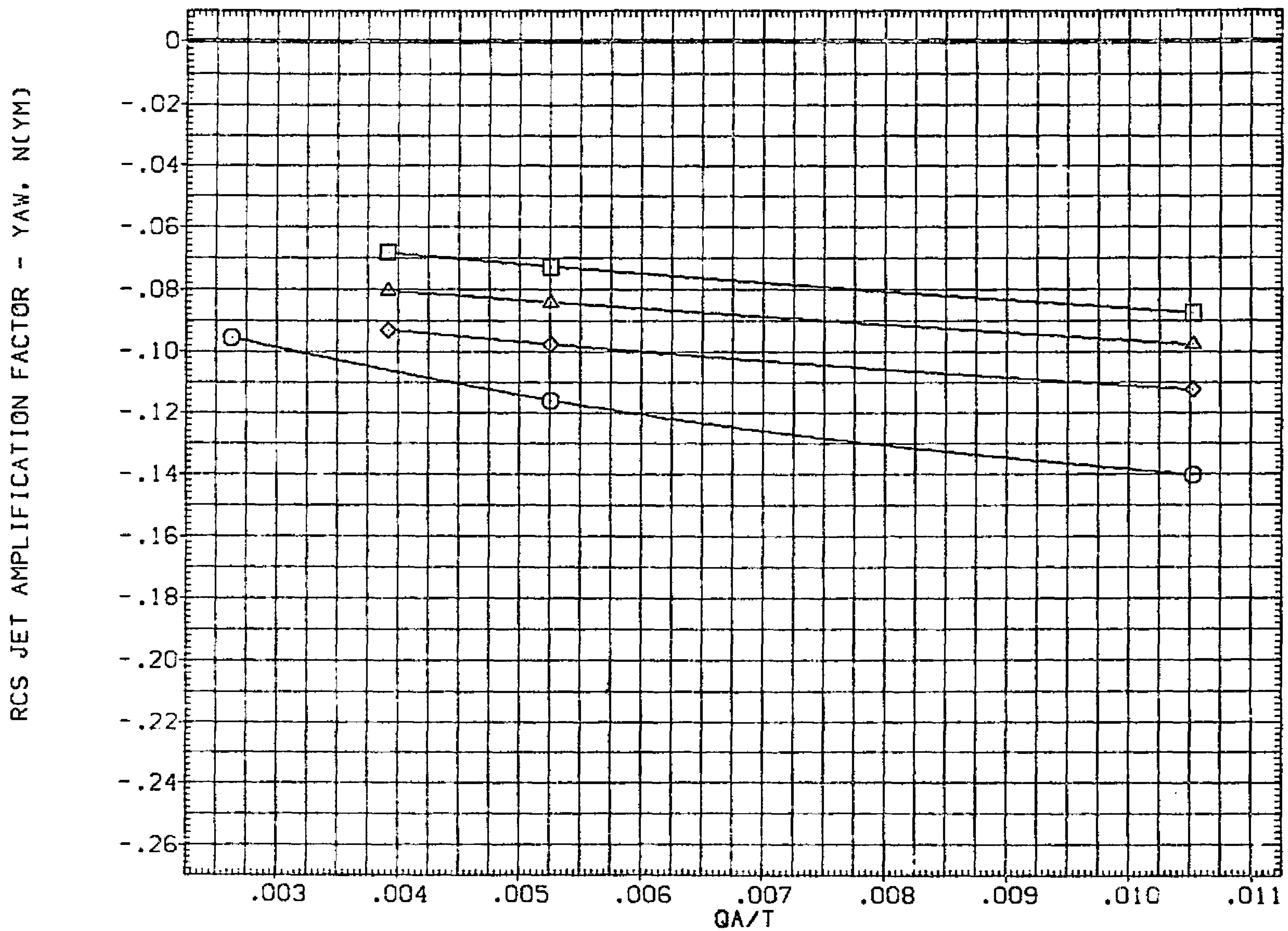

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	.690.0000	SQ.FT.
LREF	474.8000	[illegible]
BREF	936.6800	INCHES
XMRP	1076.7000	[illegible]
YMRP	.0000	IN.
ZMRP	375.0000	IN.
SCALE	.0100	

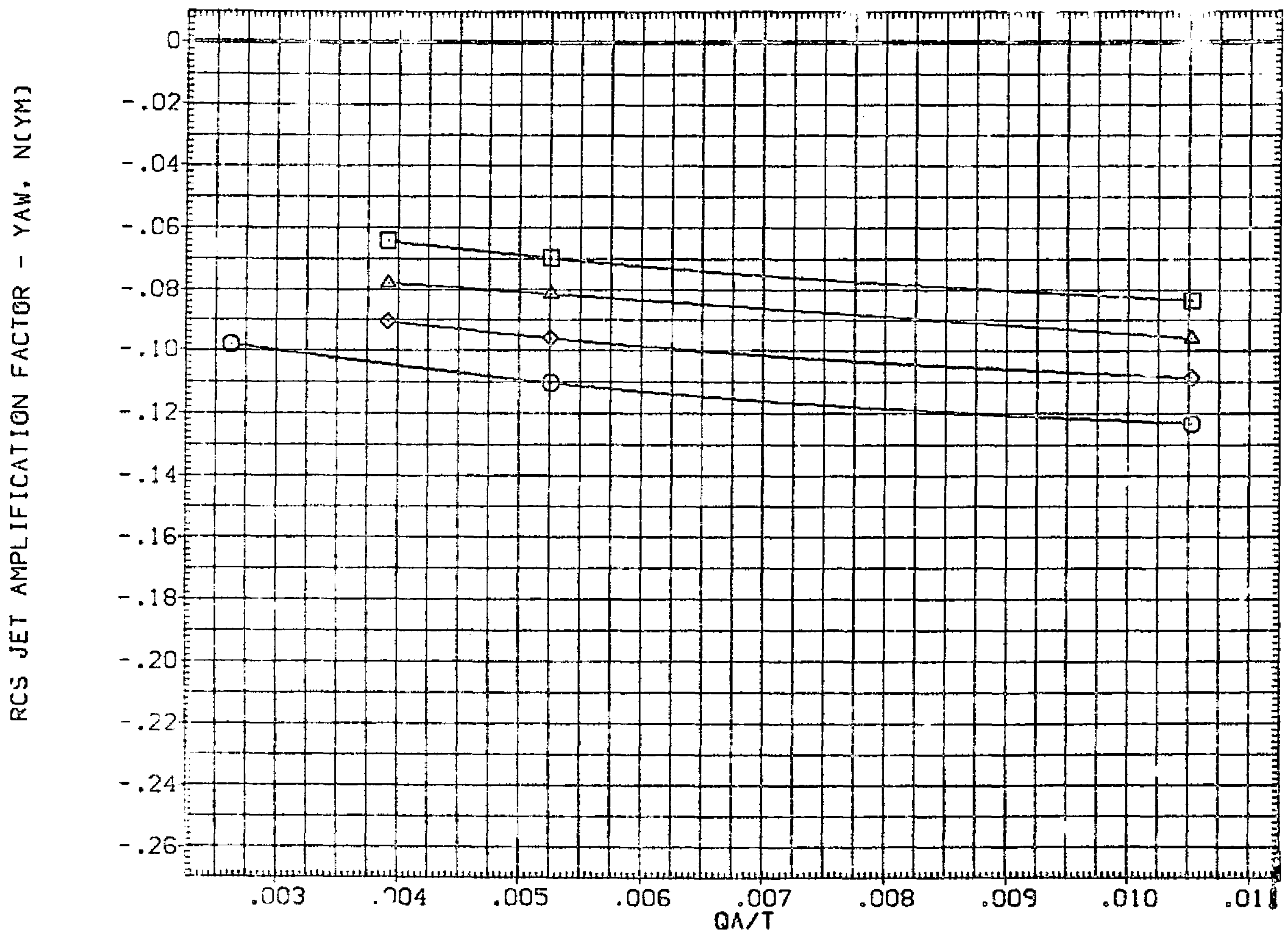

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

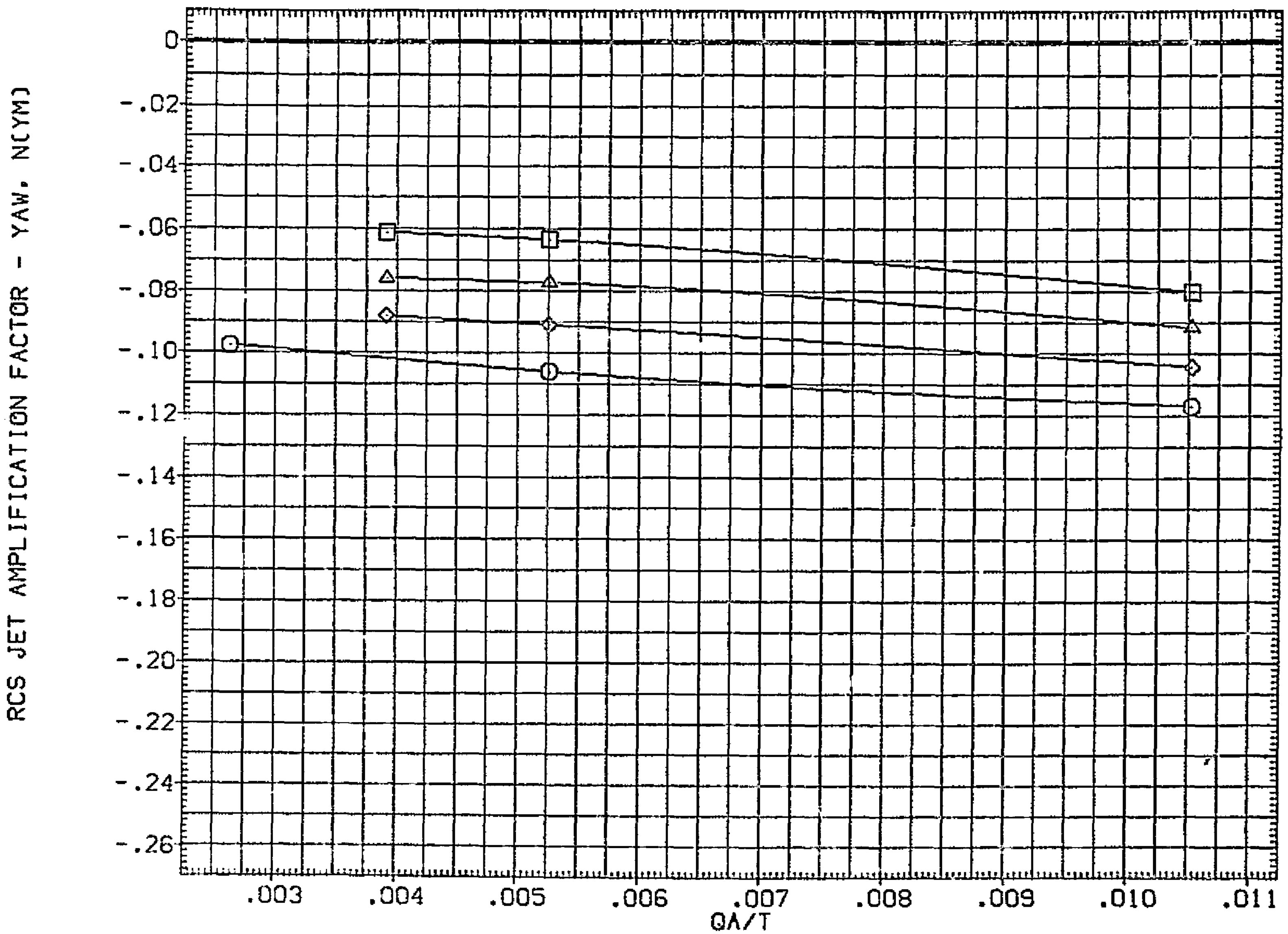

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	[illegible]30.0000	SQ.FT.
LREF	[illegible]4.8000	INCHES
BREF	[illegible]6.6800	INCHES
XMRP	[illegible]76.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

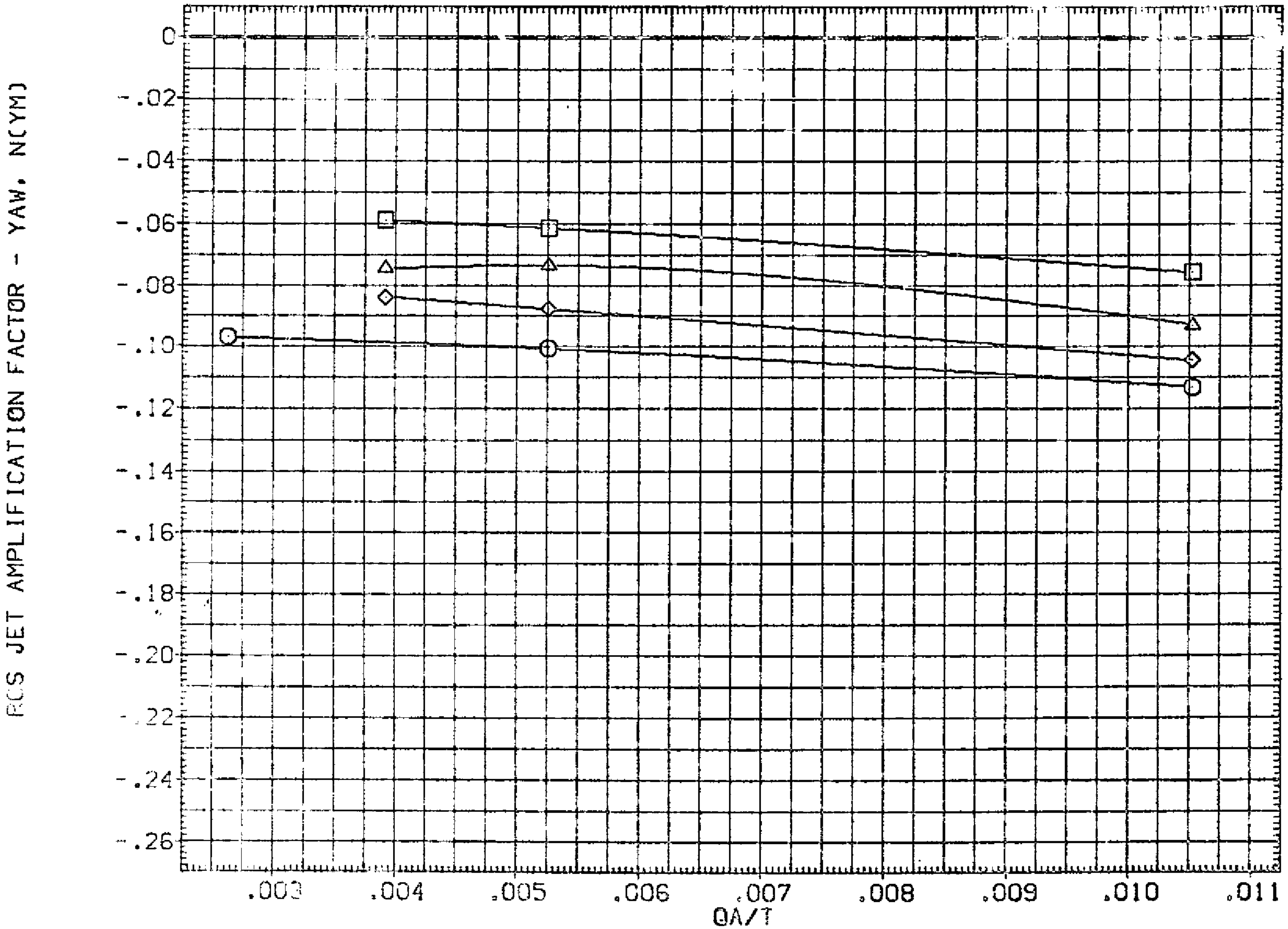

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

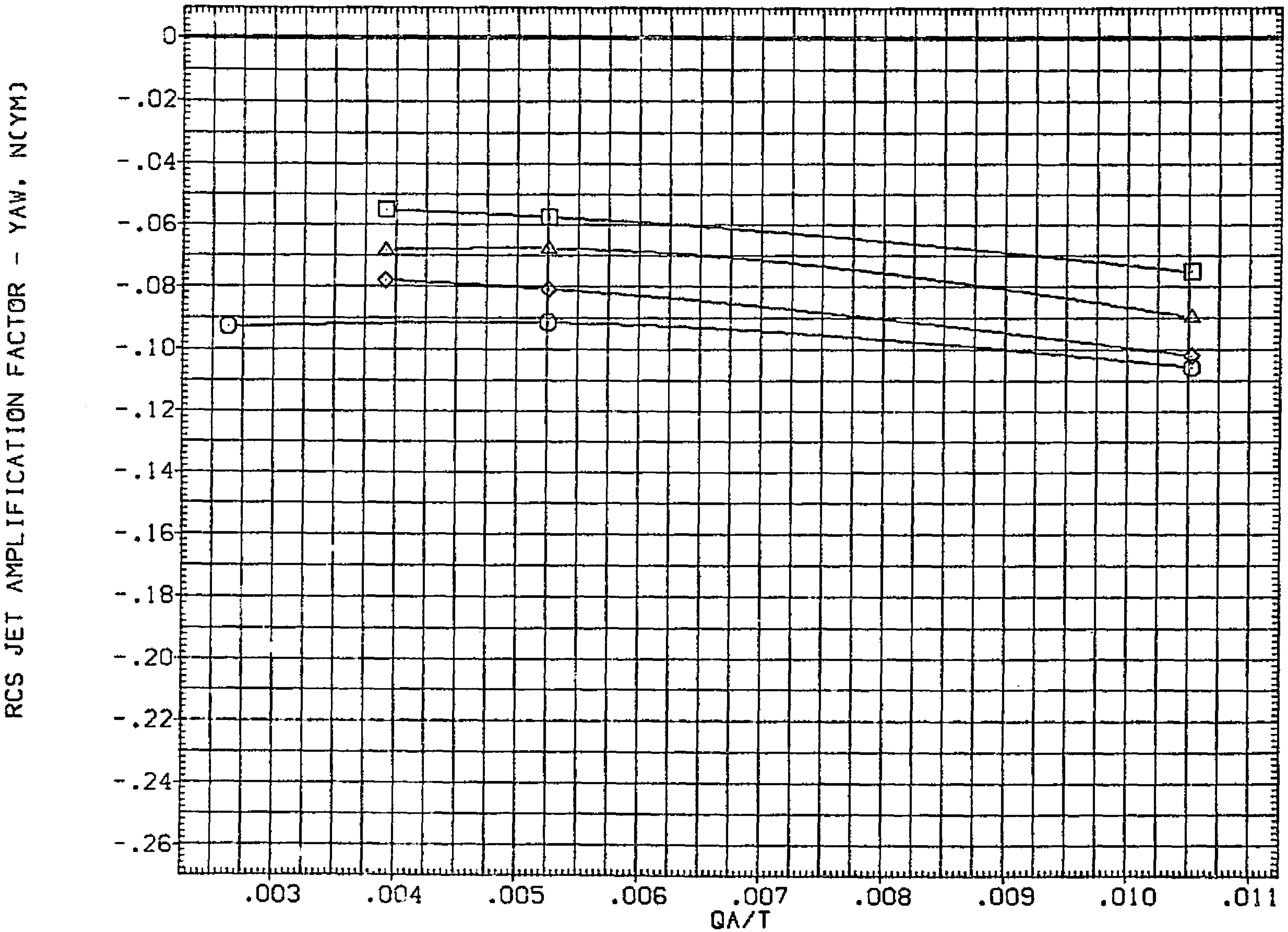

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

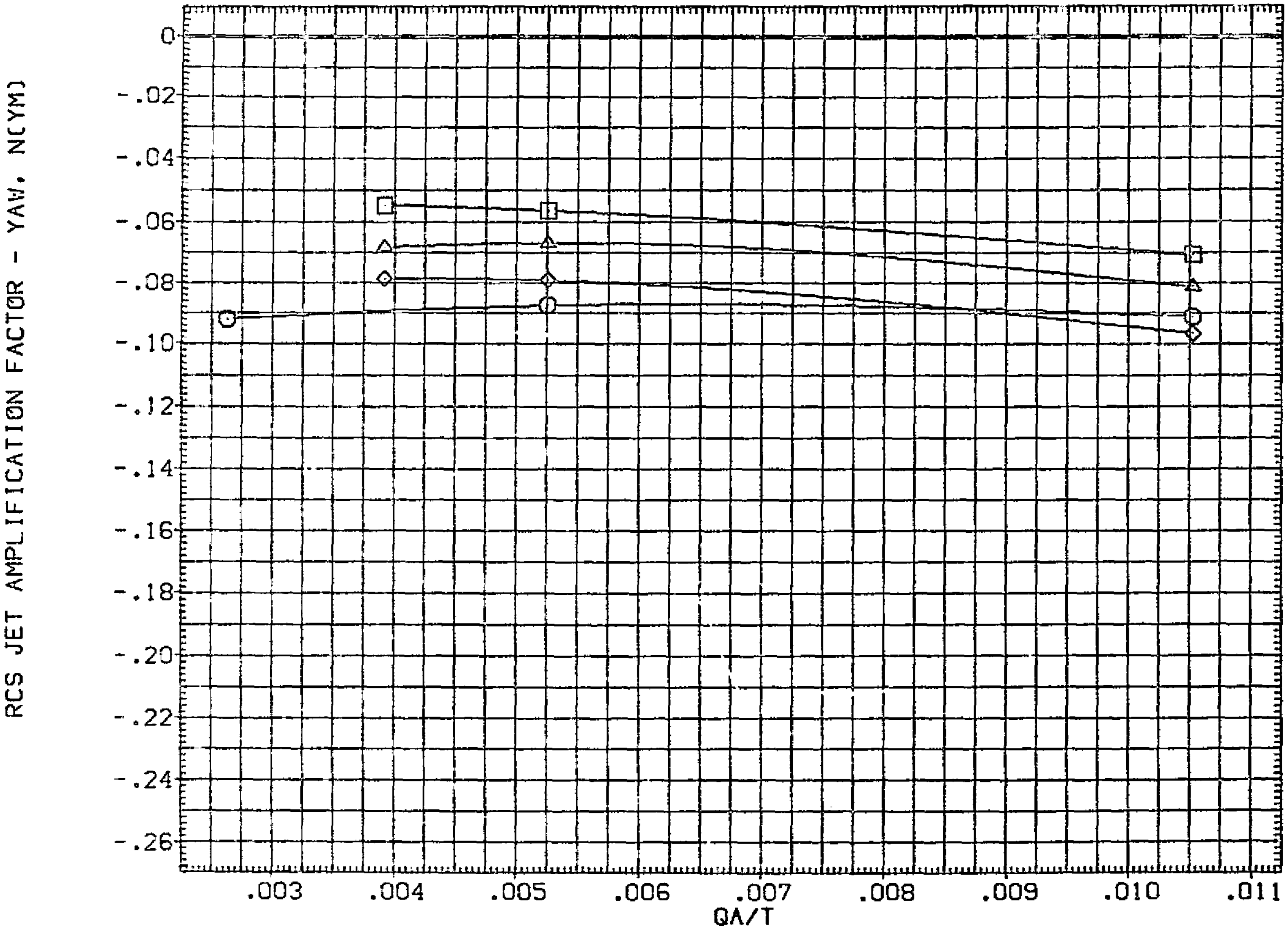

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(J)ALPHA = 10.00

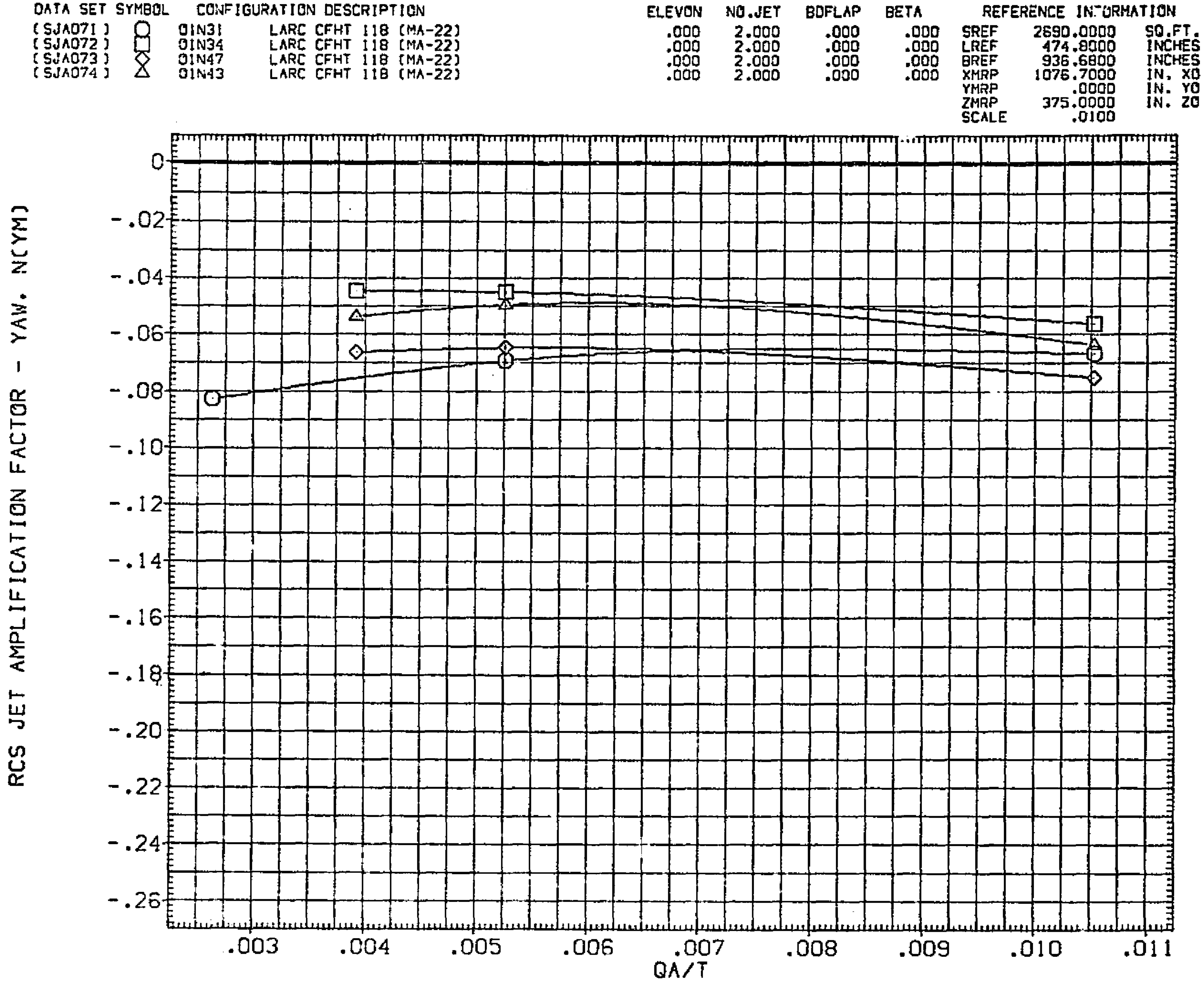

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

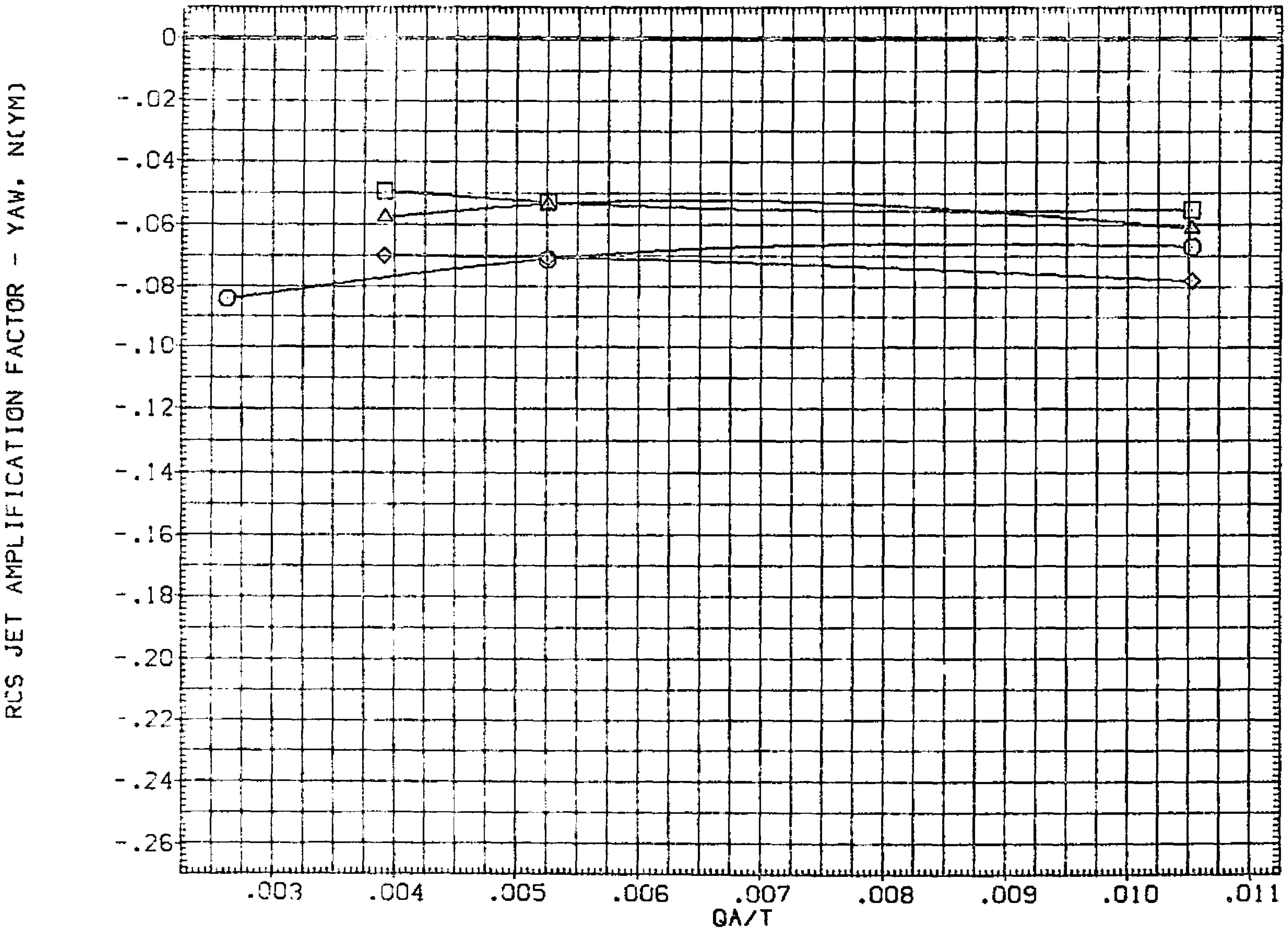

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(L)ALPHA = 20.00

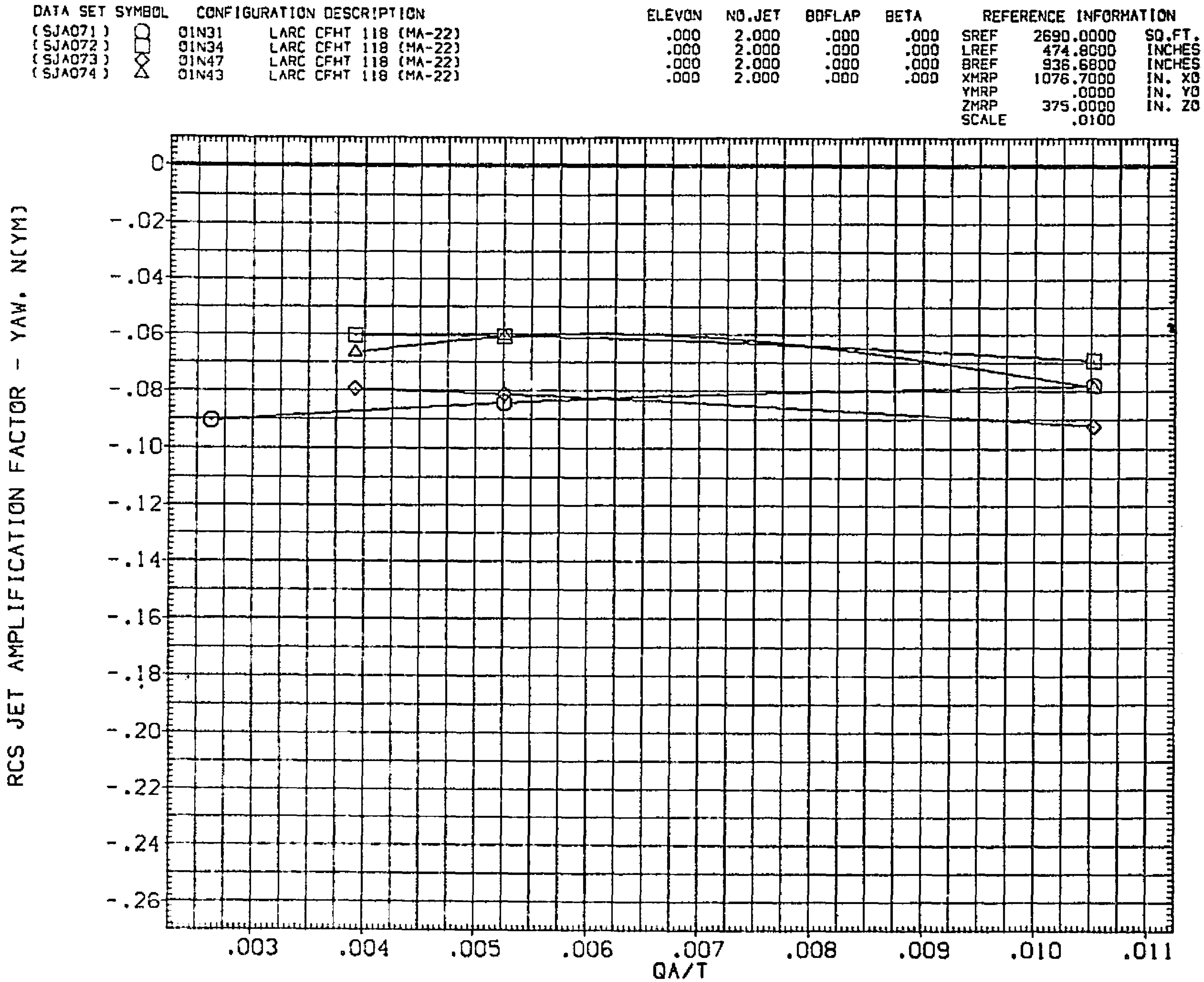

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

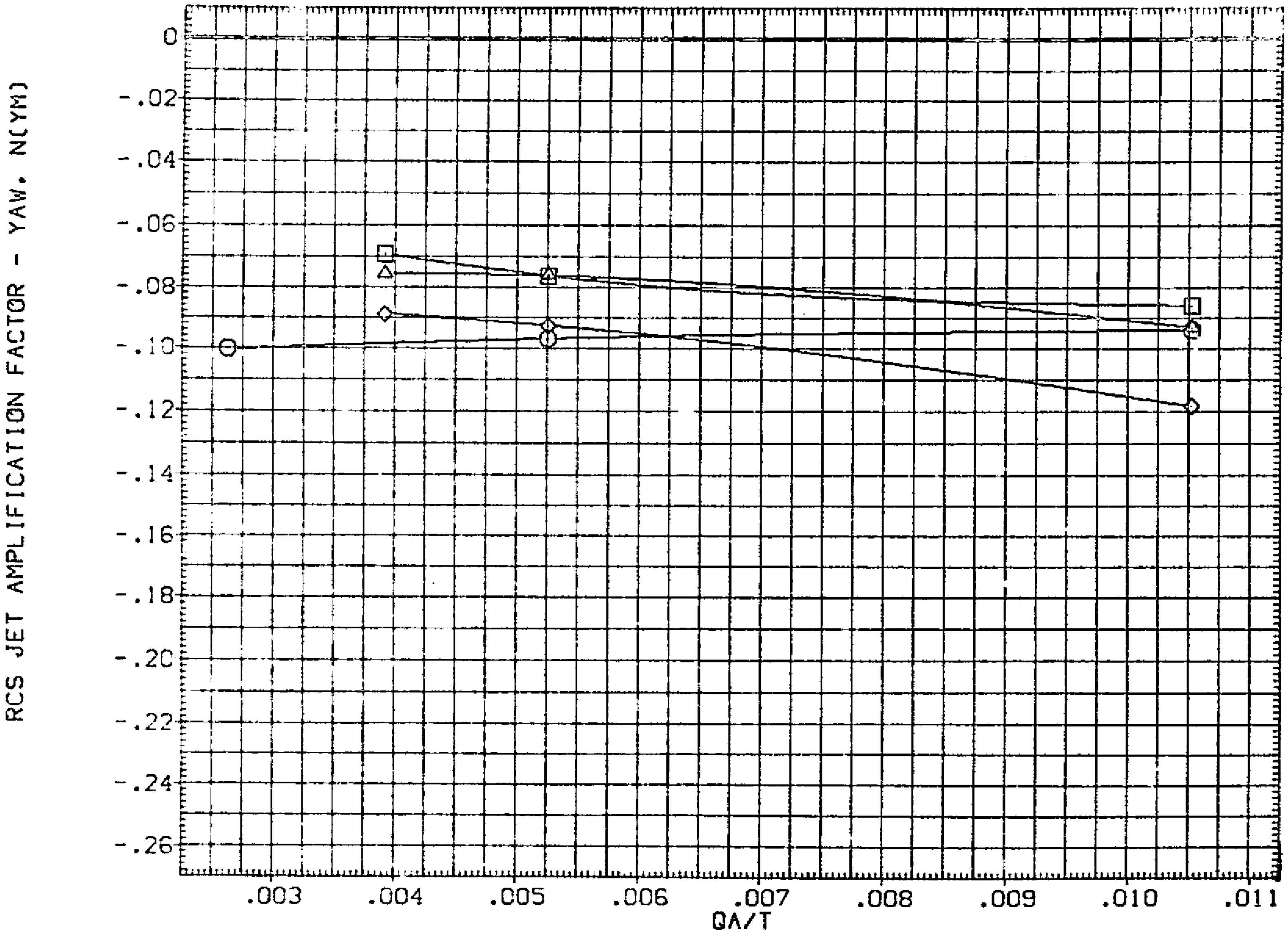

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	OIN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	OIN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	OIN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	OIN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	OIN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	OIN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	OIN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	OIN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

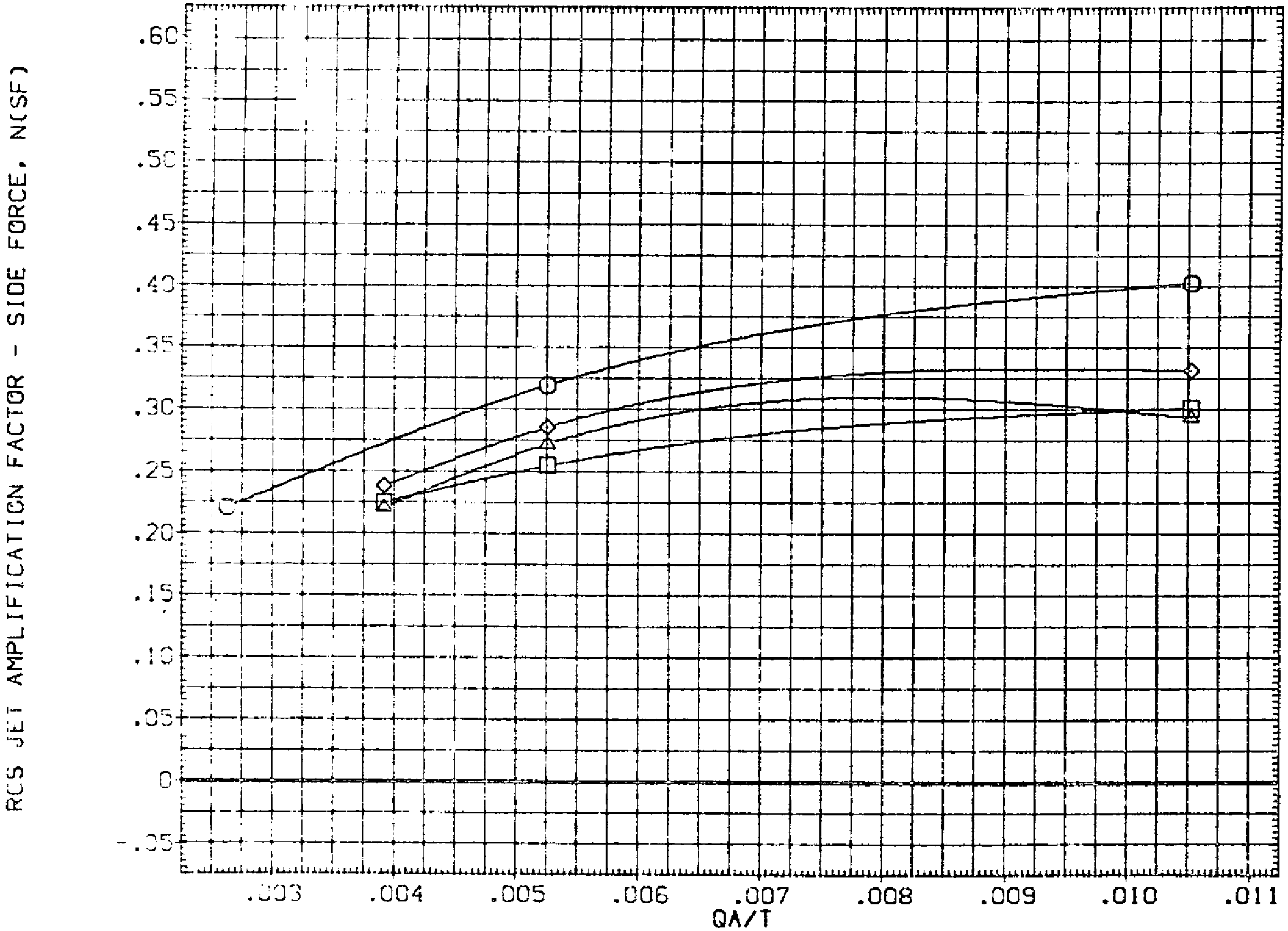

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

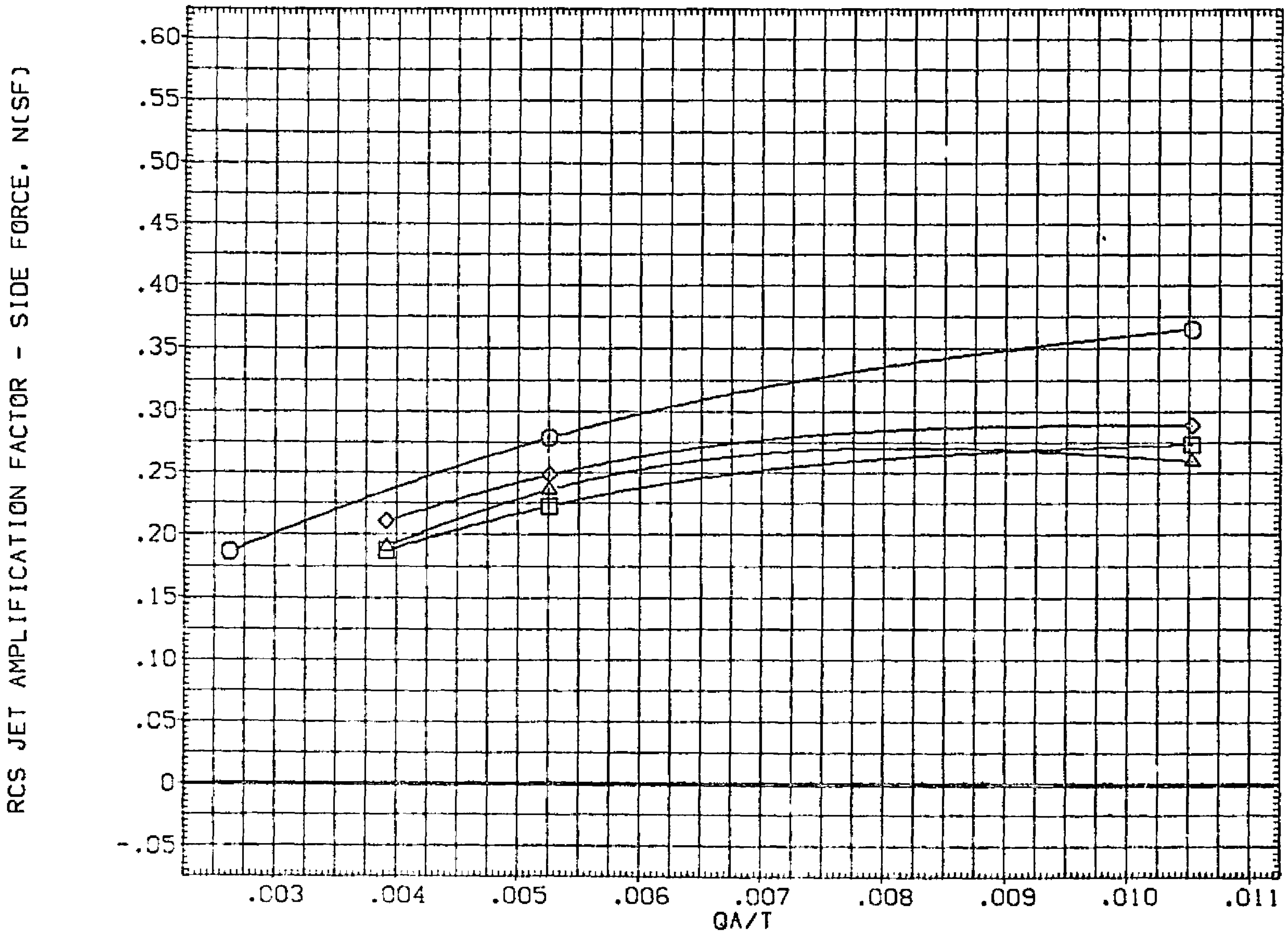

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

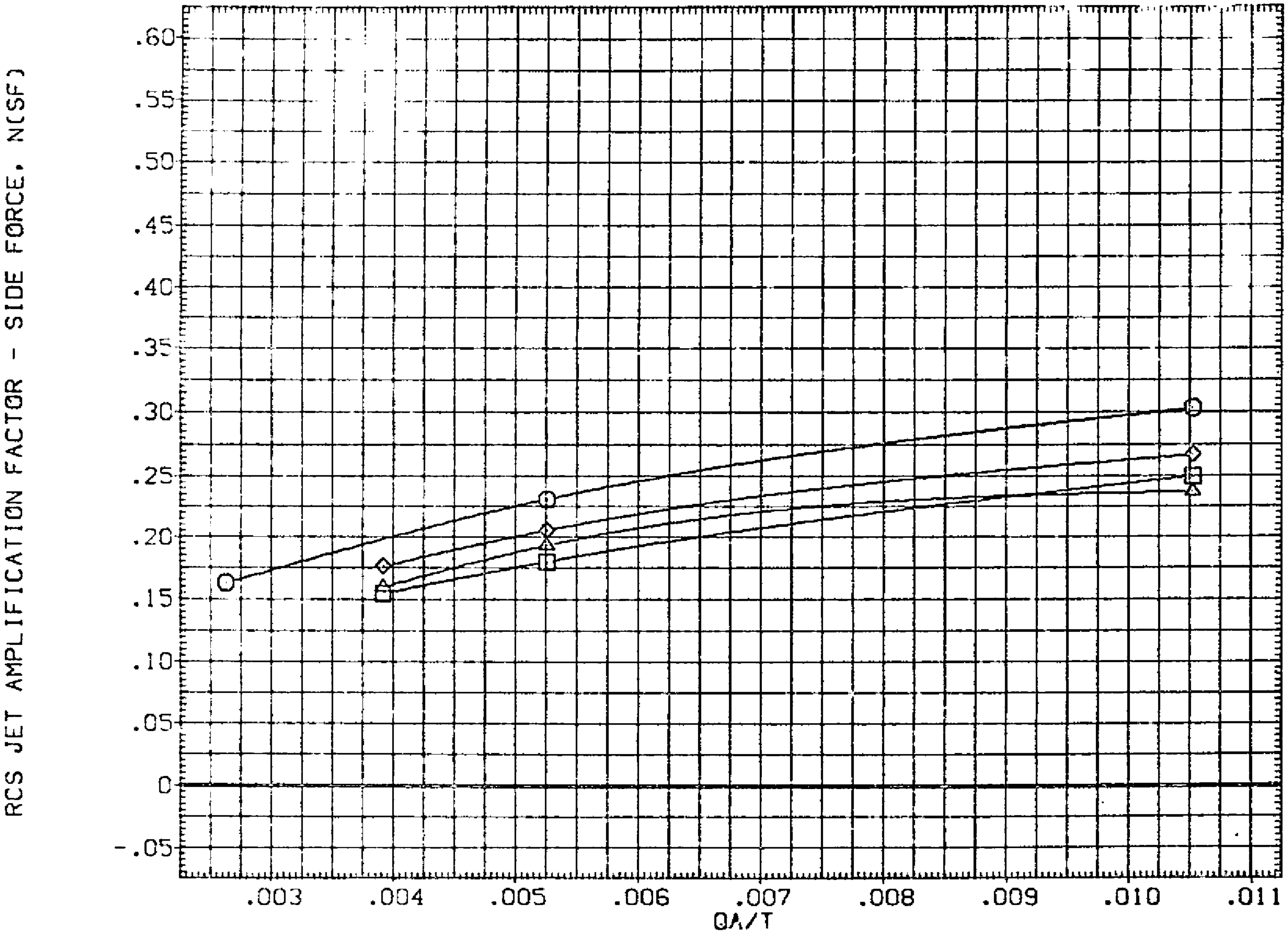

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS
(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	0IN31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	0IN34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	0IN47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	0IN43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

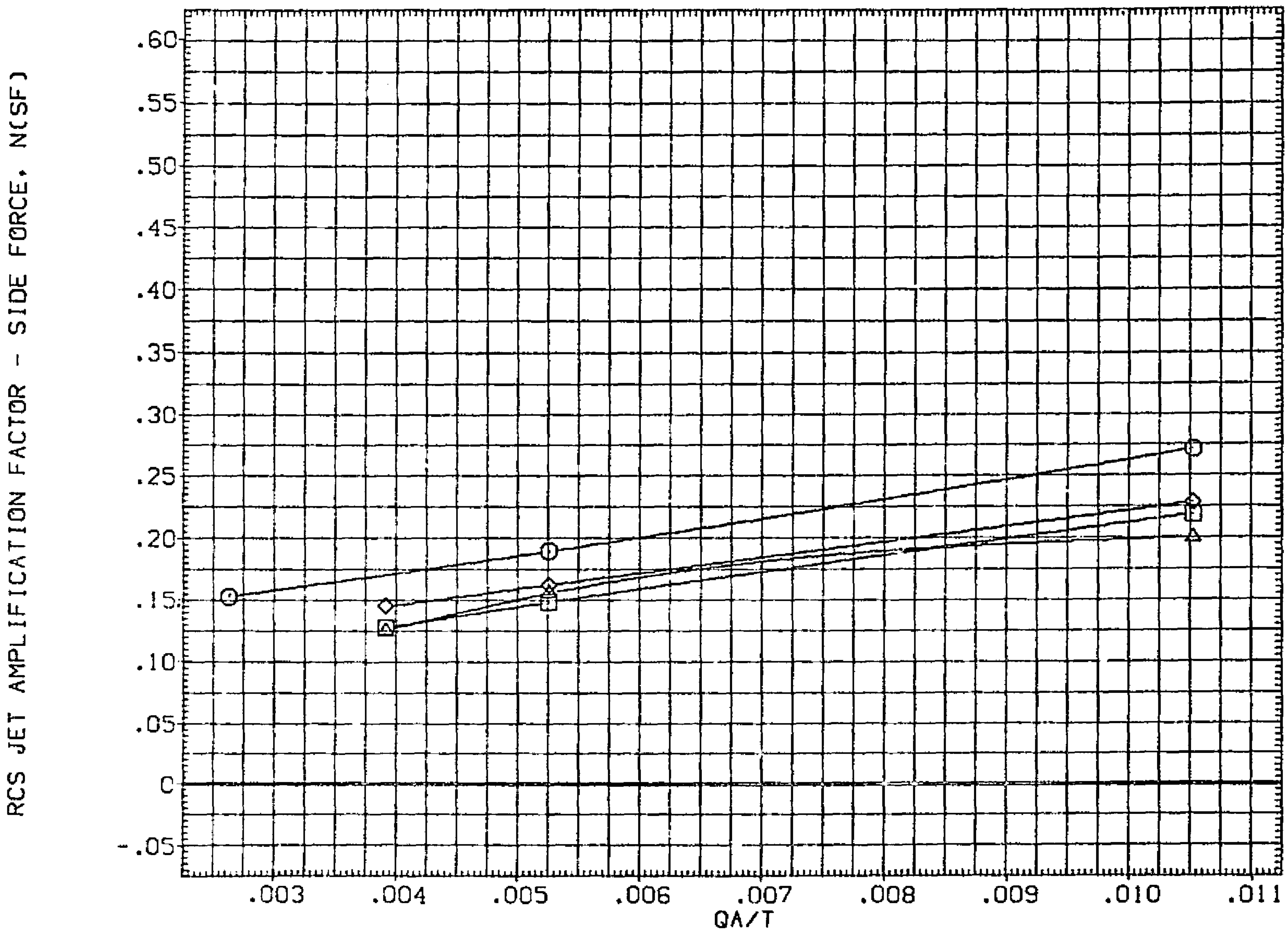

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

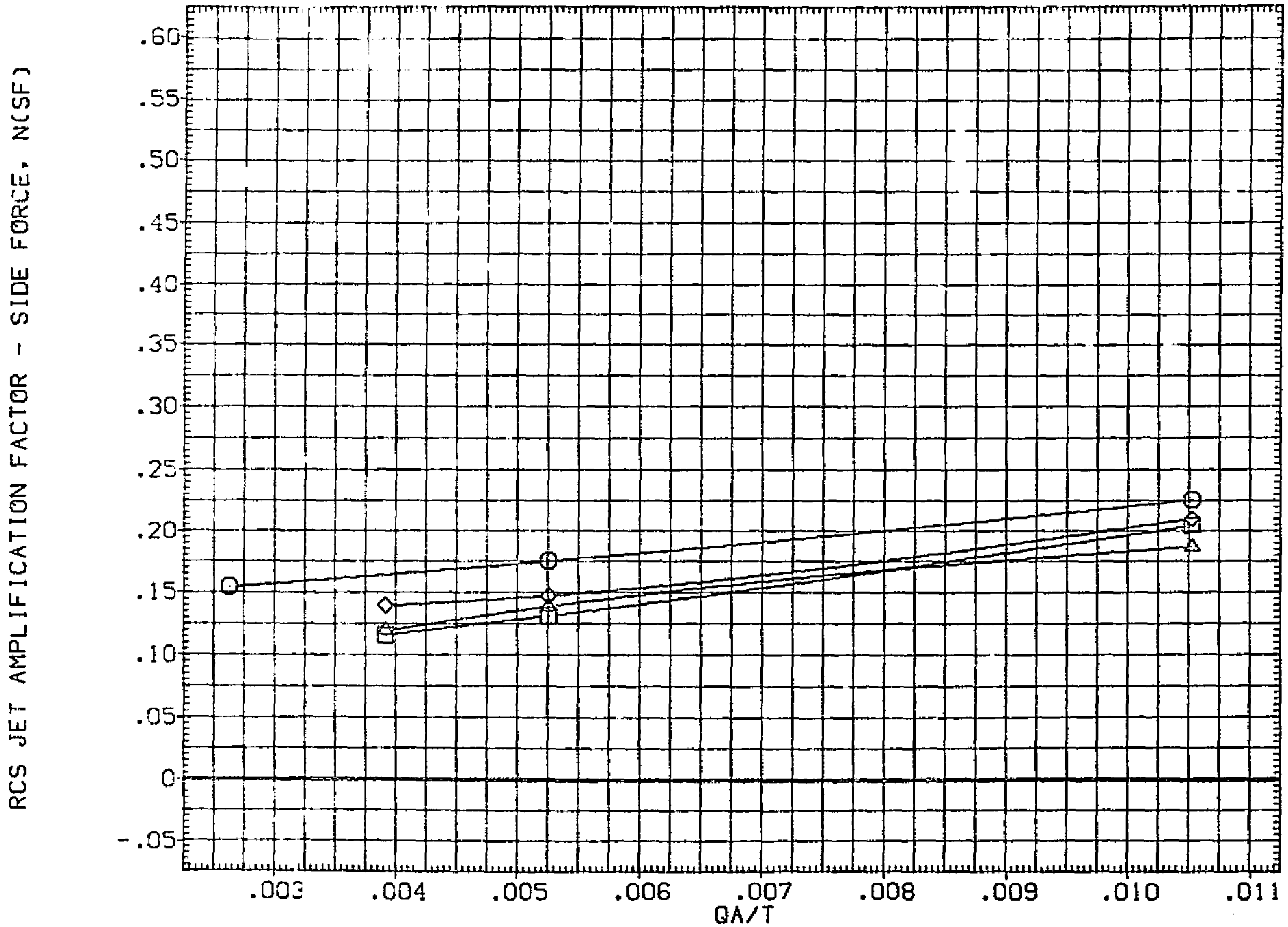

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA	REFERENCE INFORMATION		
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	SREF	2690.0000	SQ.FT.
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	LREF	474.8000	INCHES
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	BREF	936.6800	INCHES
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	XMRP	1076.7000	IN. XO
								YMRP	.0000	IN. YO
								ZMRP	375.0000	IN. ZO
								SCALE	.0100	

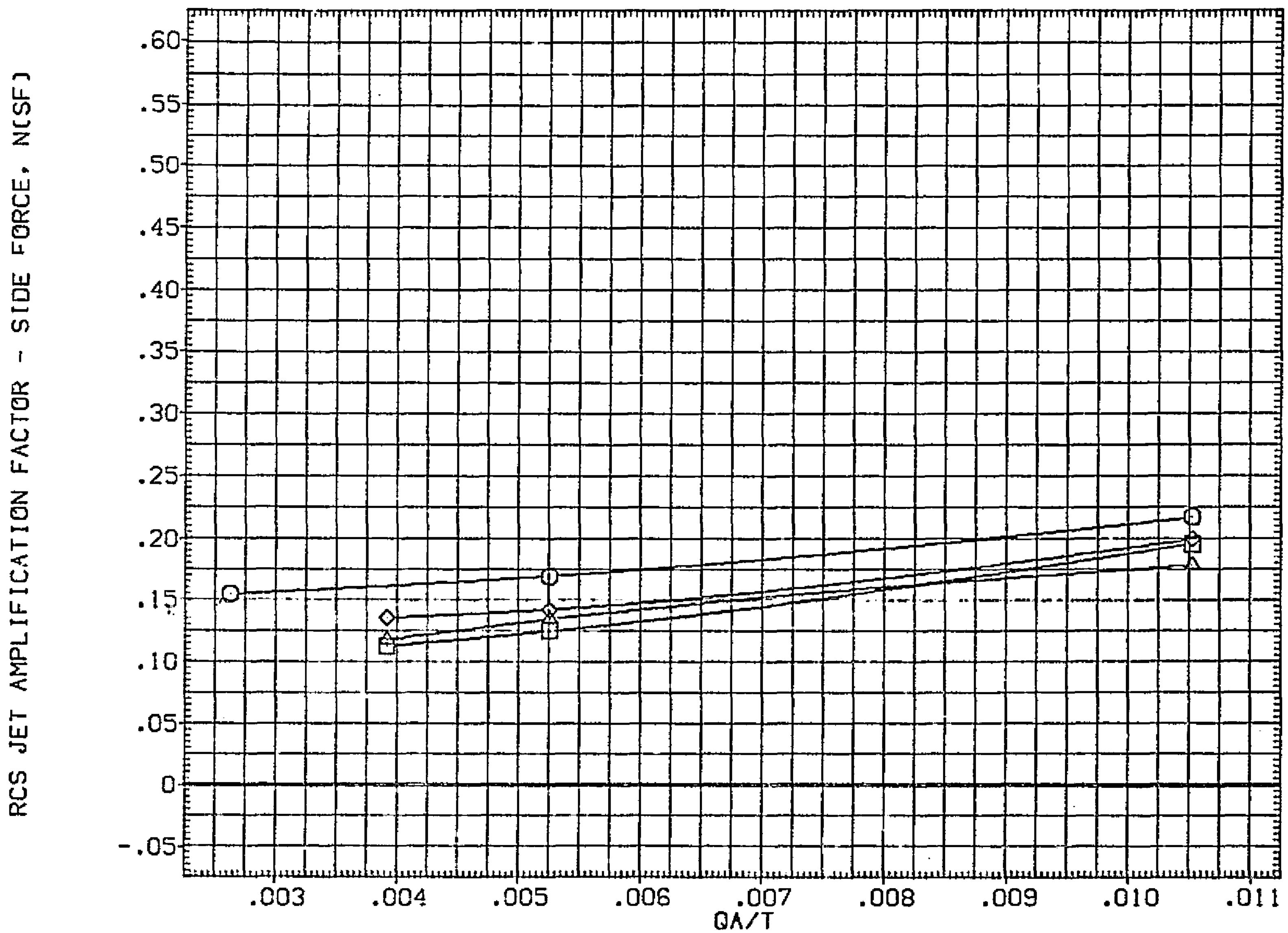

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(G)ALPHA = 4.00

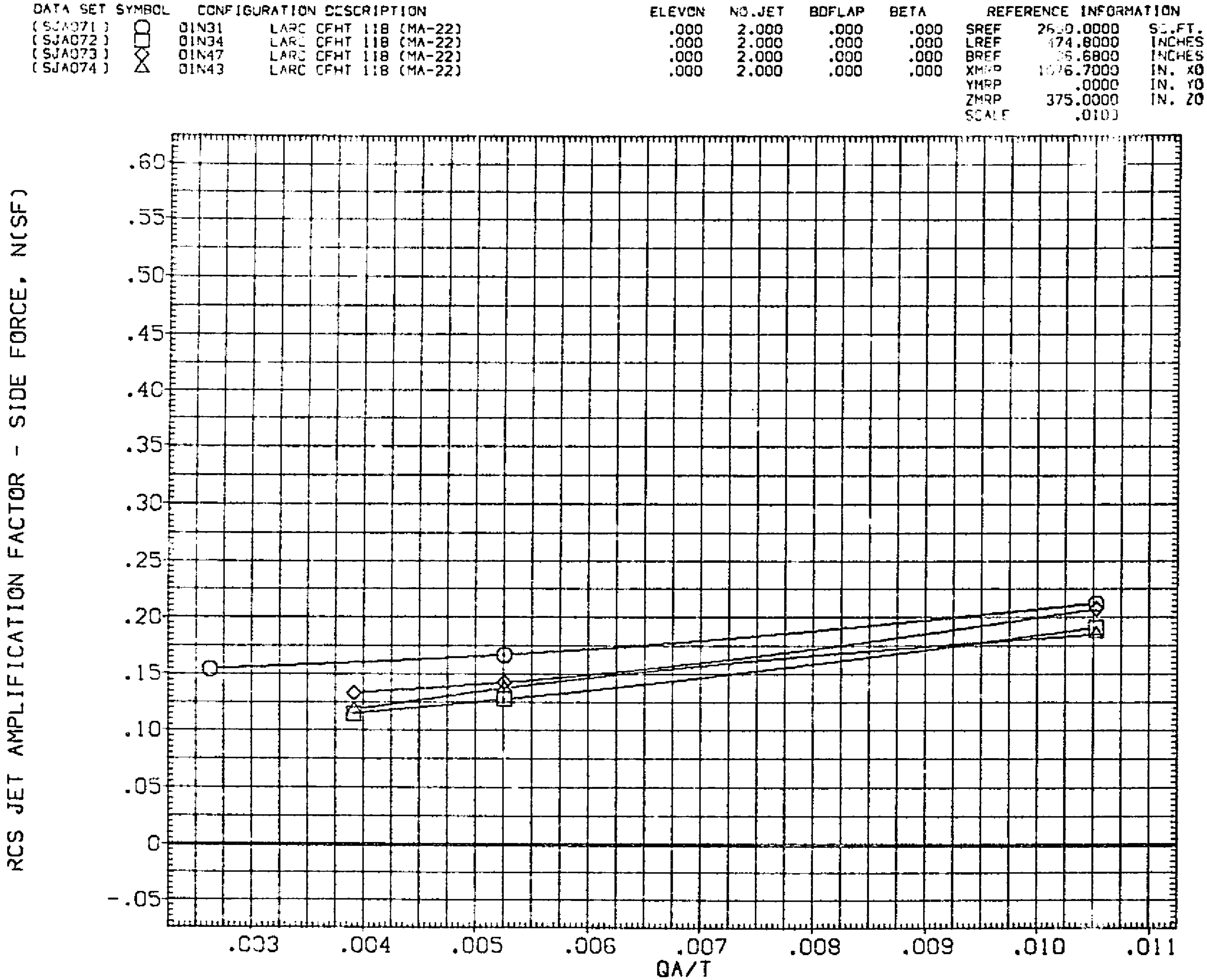

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

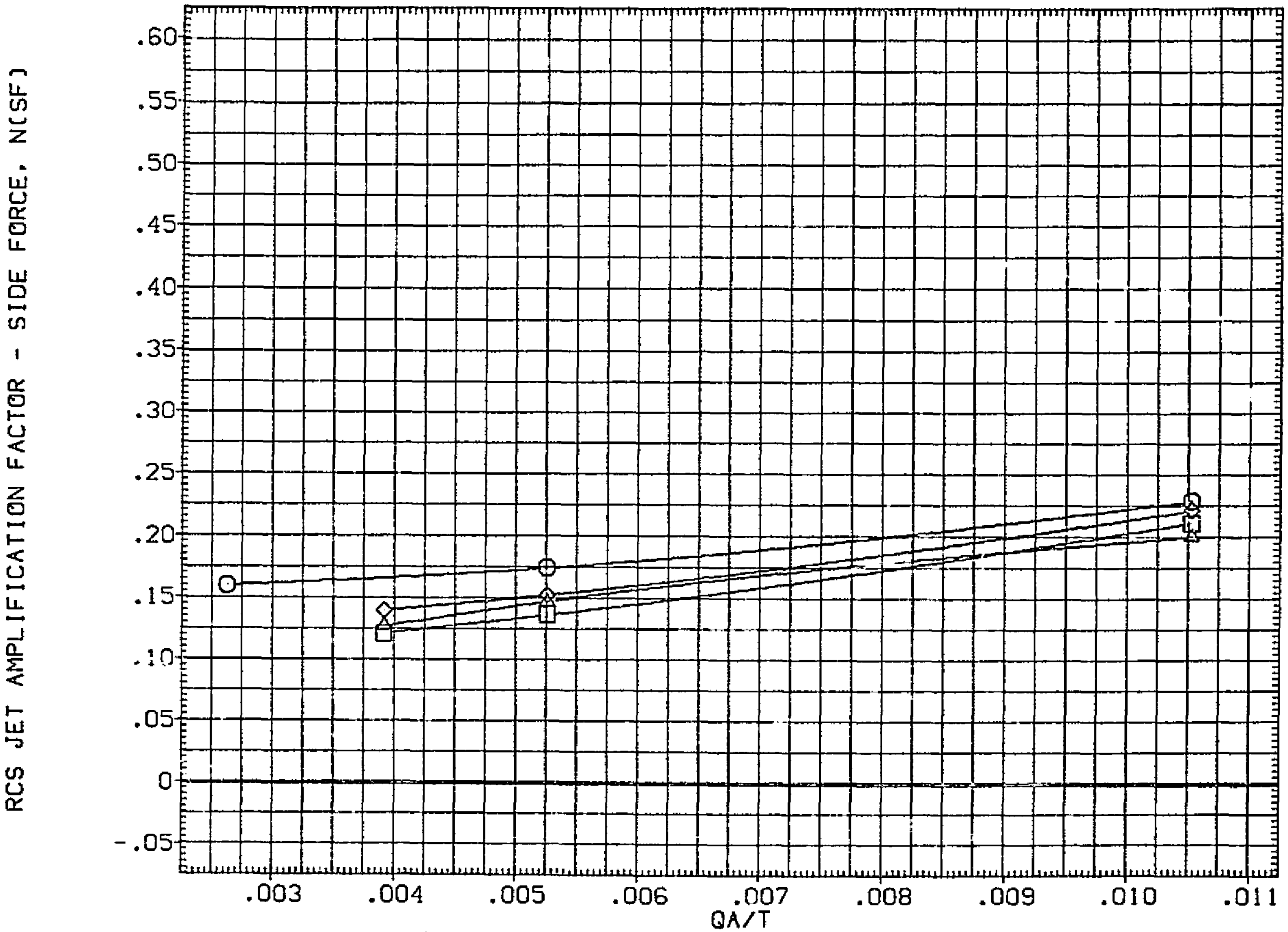

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

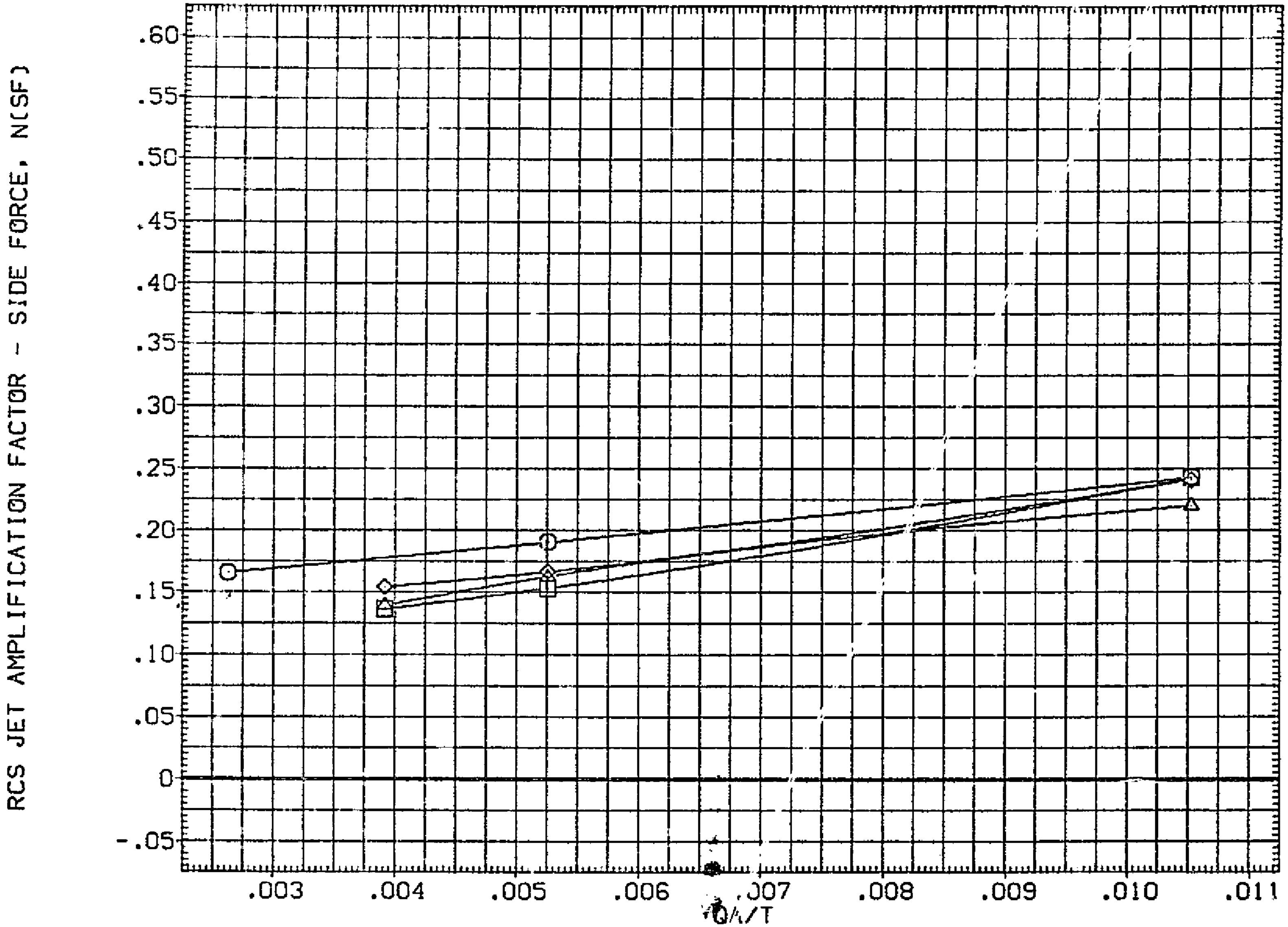

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-27)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-2?)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

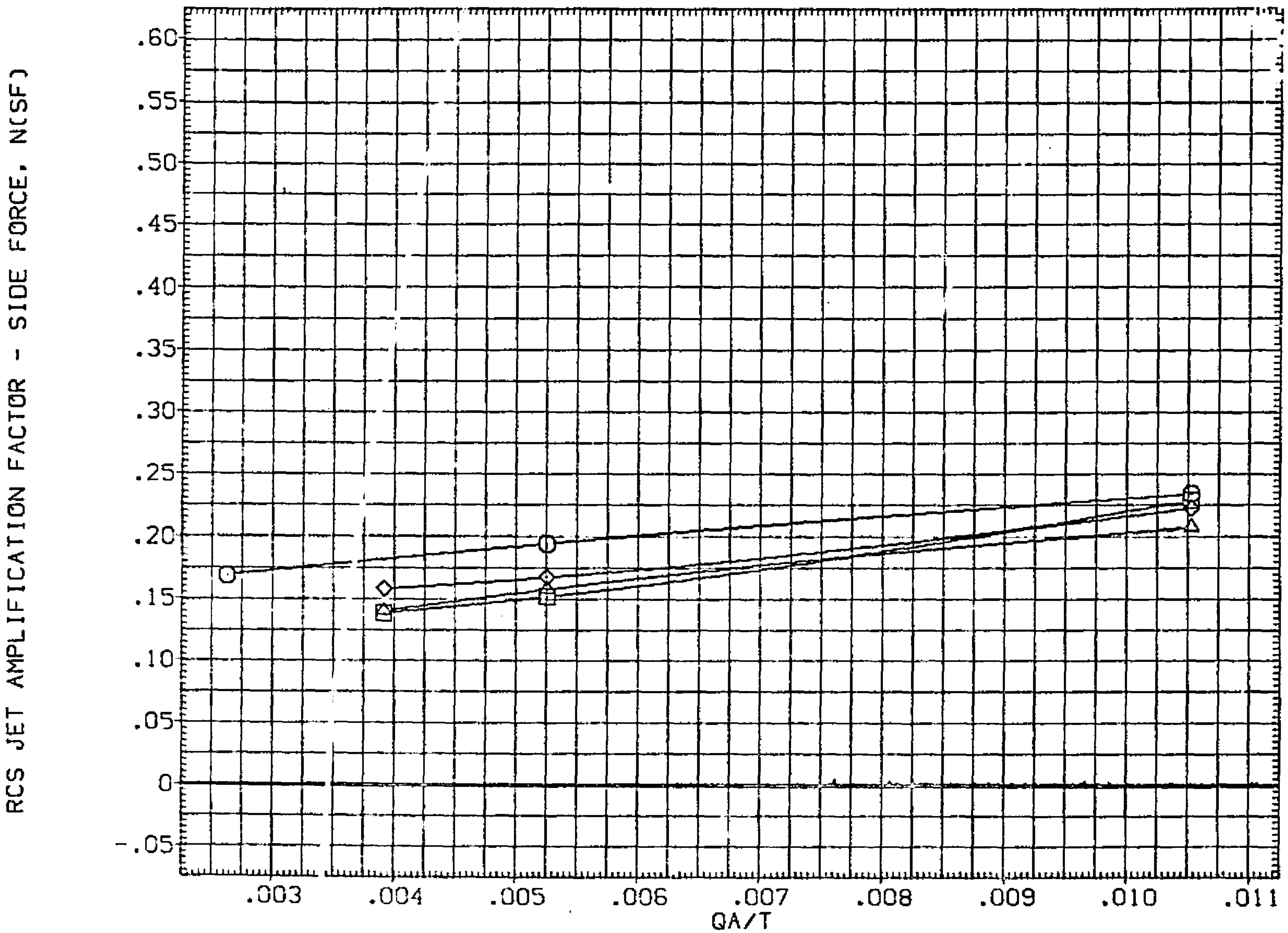

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

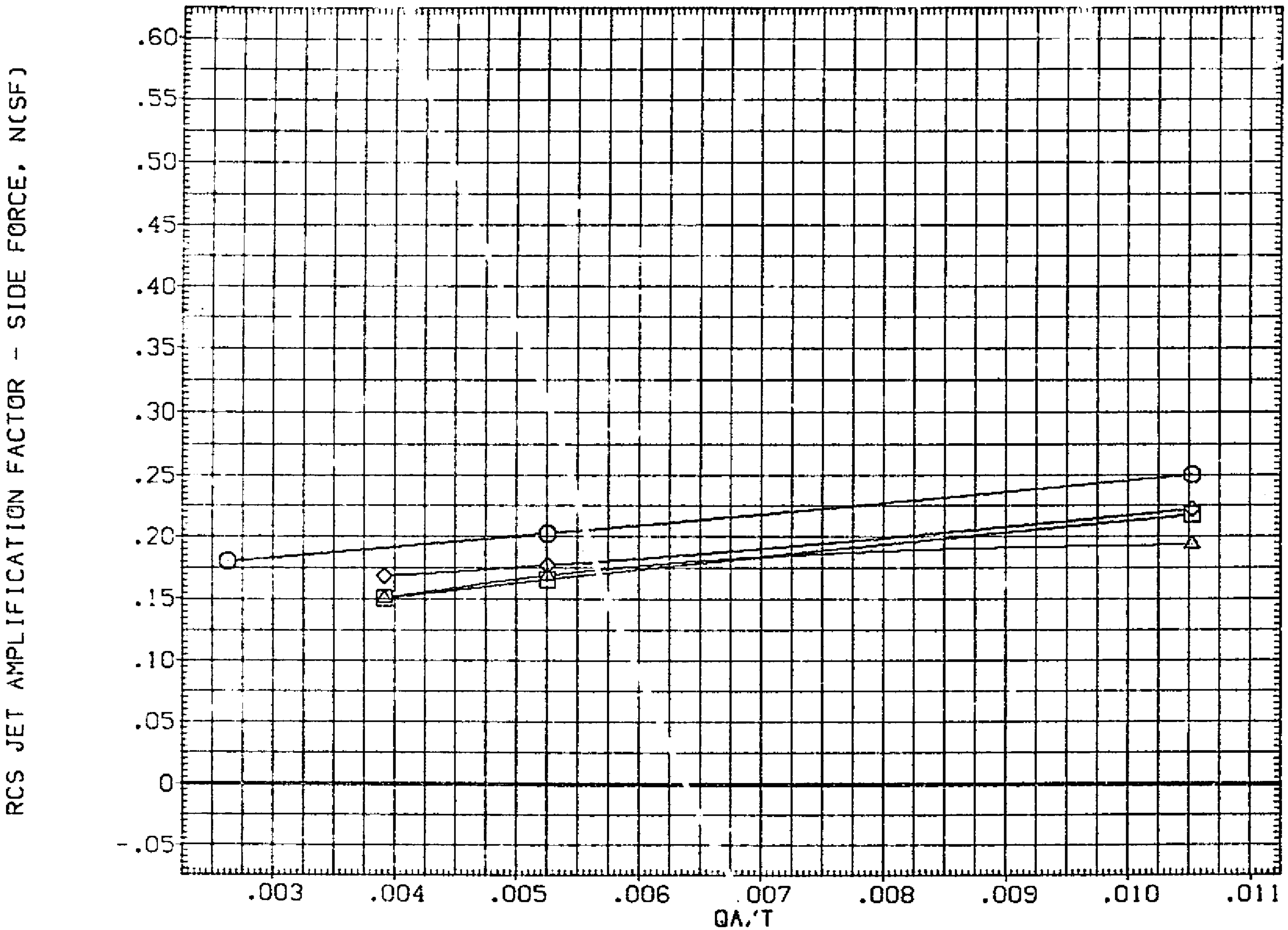

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRINC JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

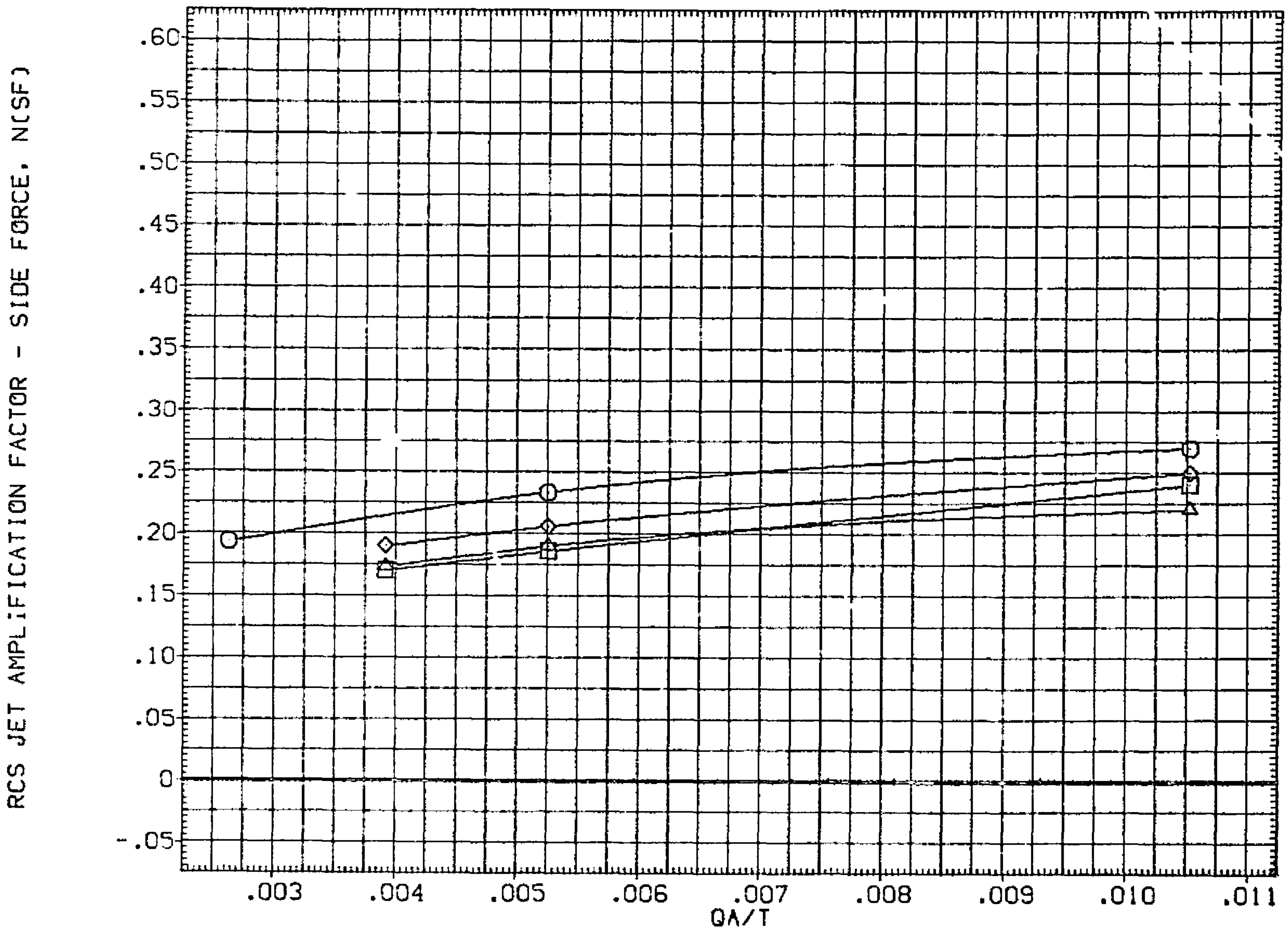

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA071)	○	01N31	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA072)	□	01N34	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA073)	◇	01N47	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA074)	△	01N43	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

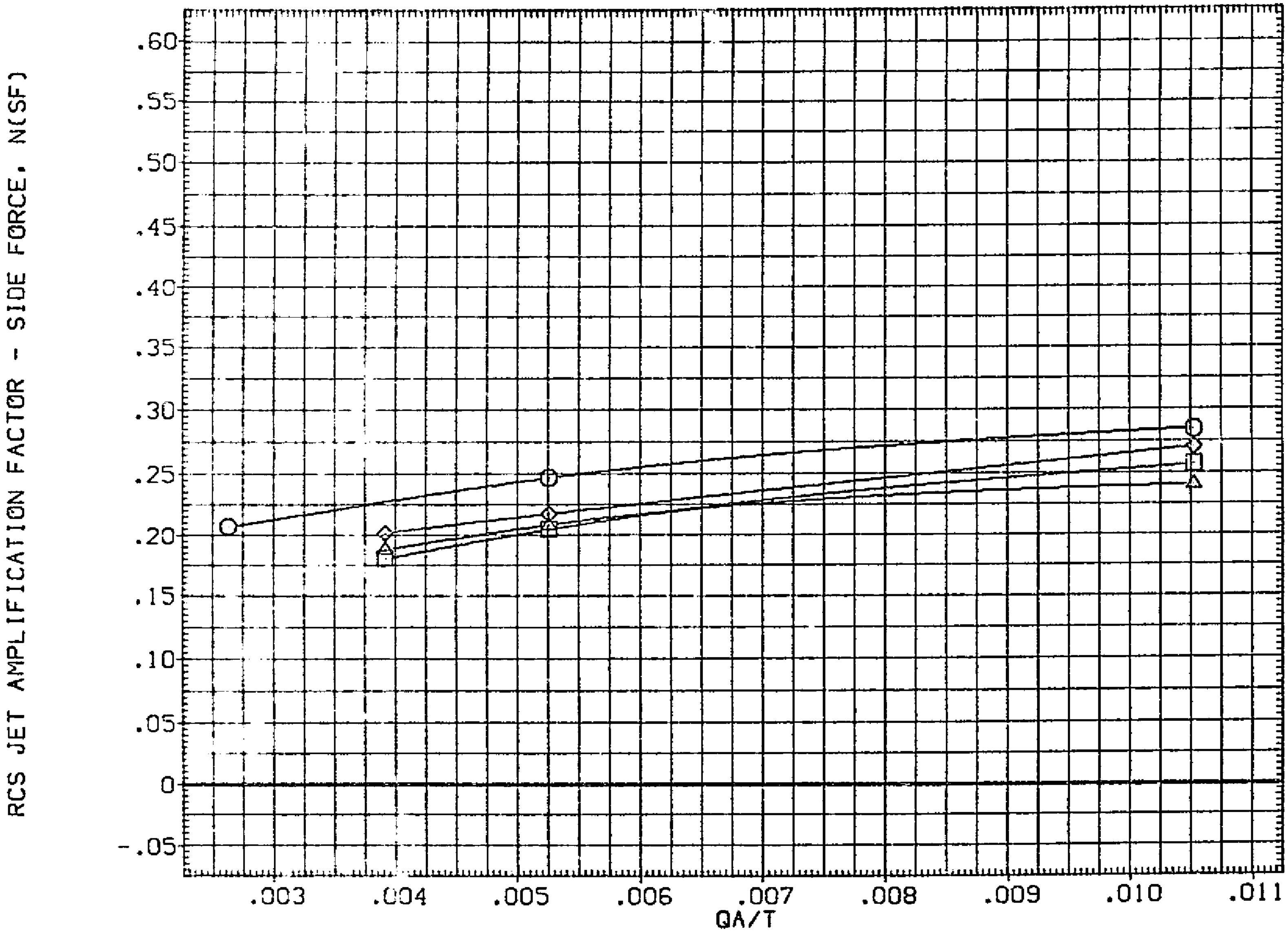

FIGURE 93. AREA RATIO EFFECTS, L/H DOWN FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

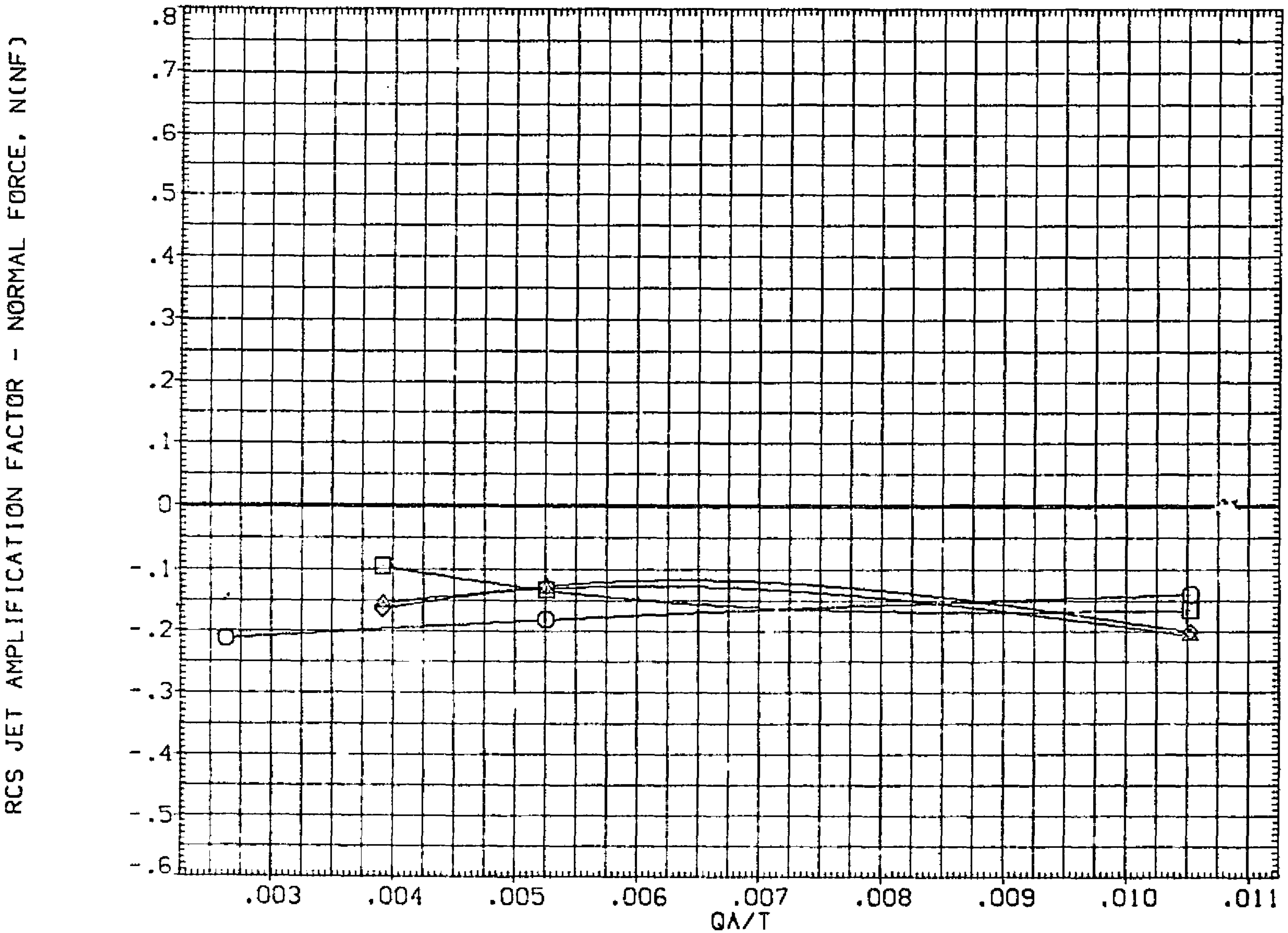

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

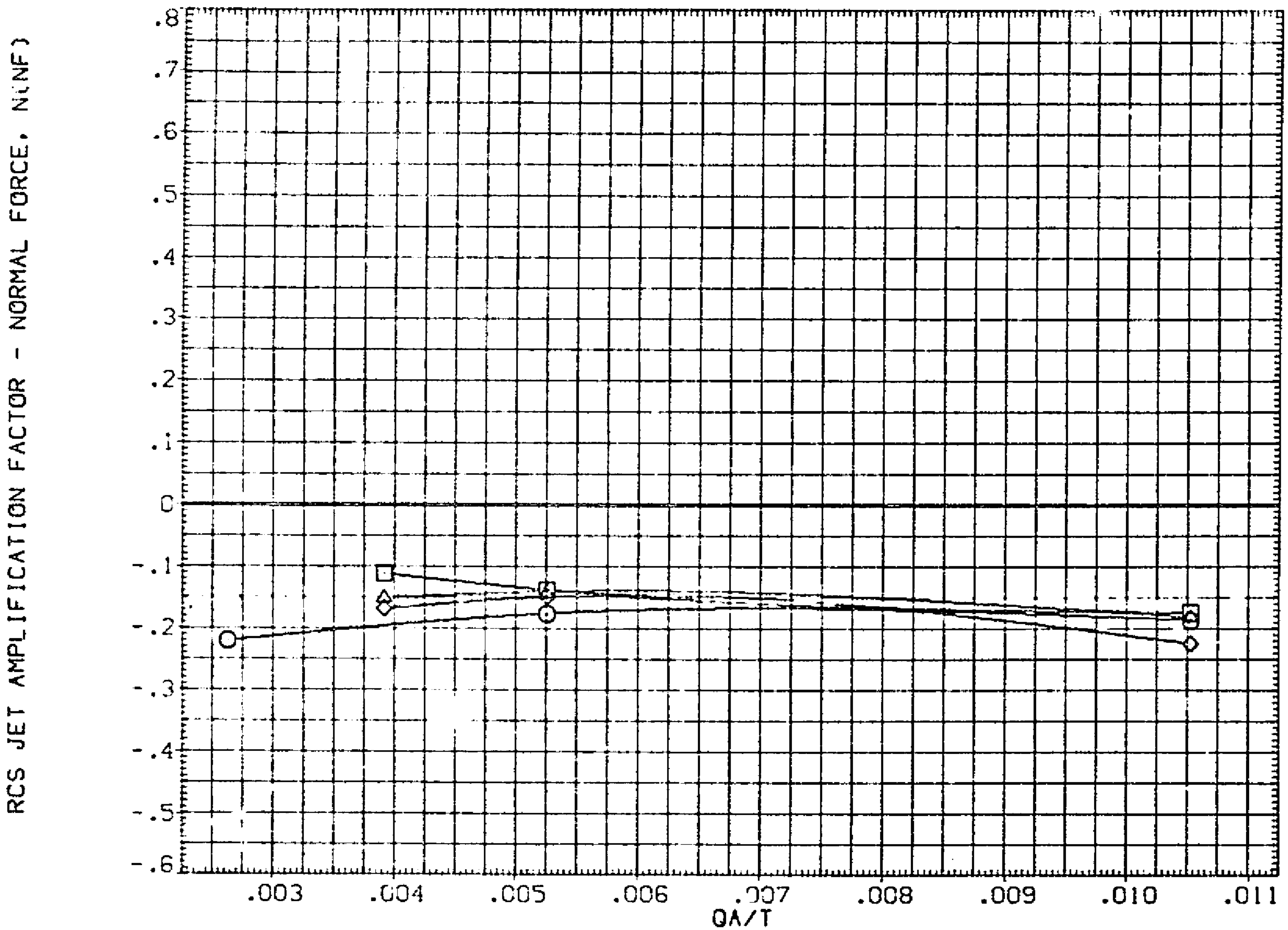

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(B)ALPHA = -6.00

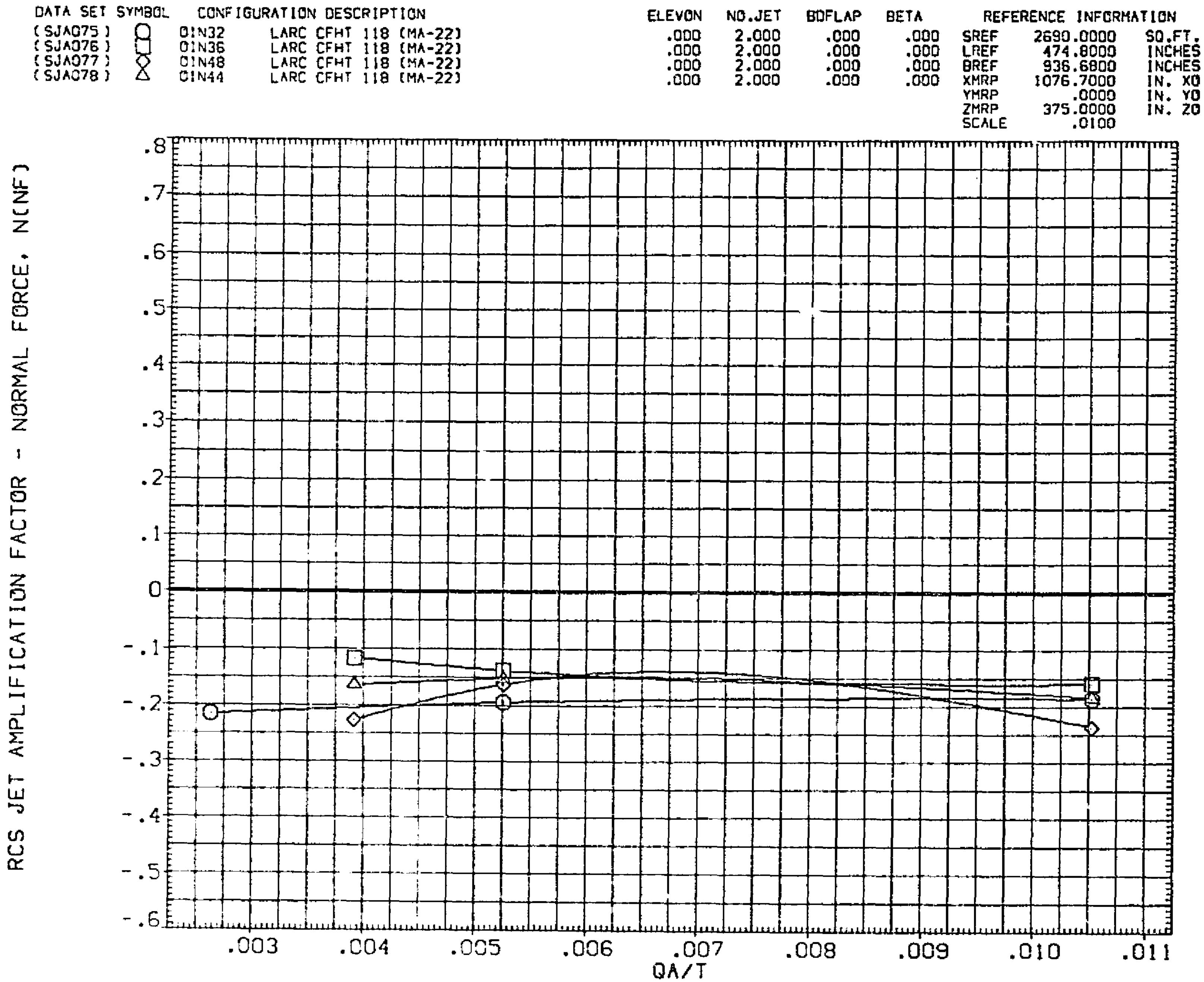

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

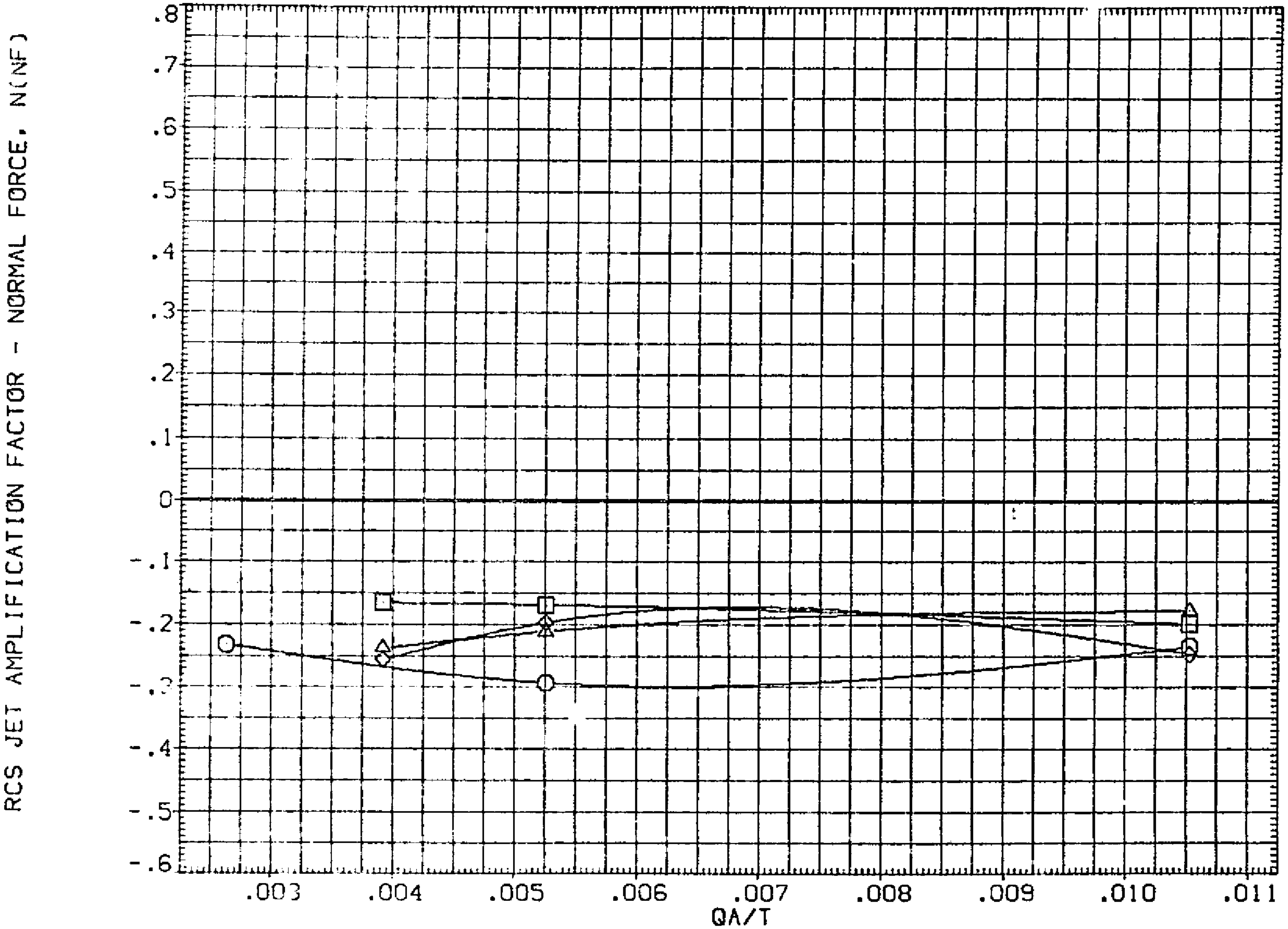

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

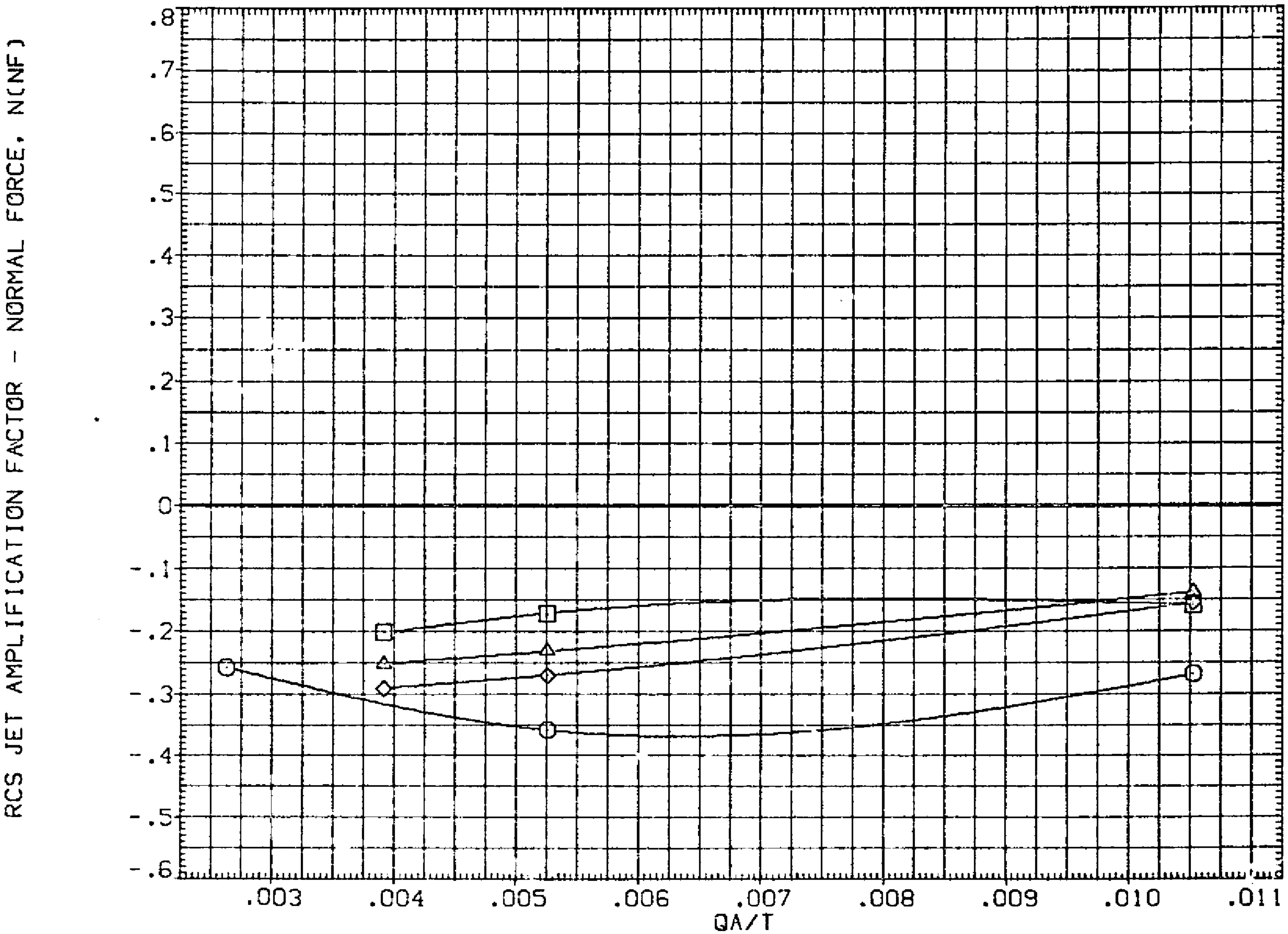

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

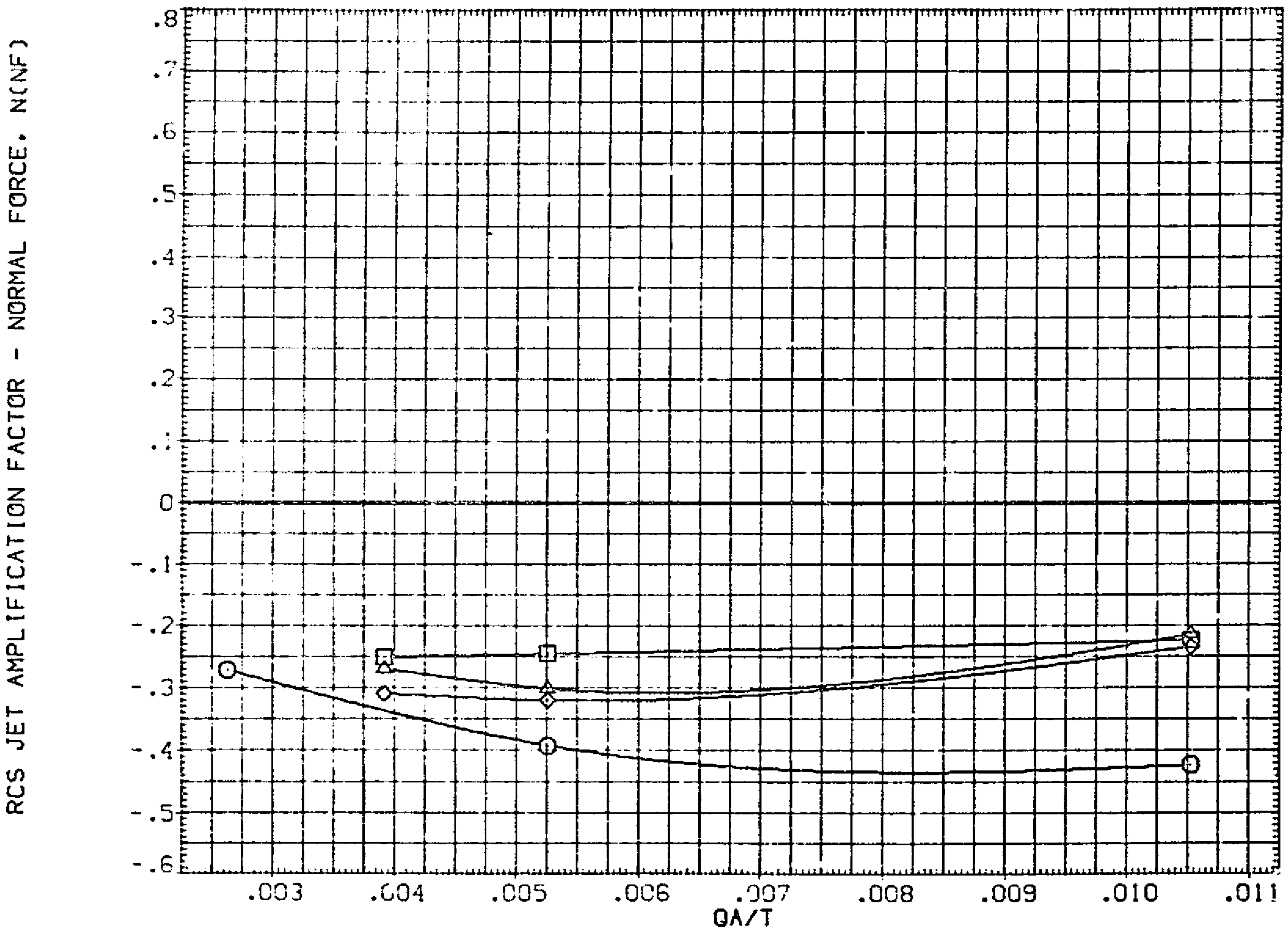

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA079)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

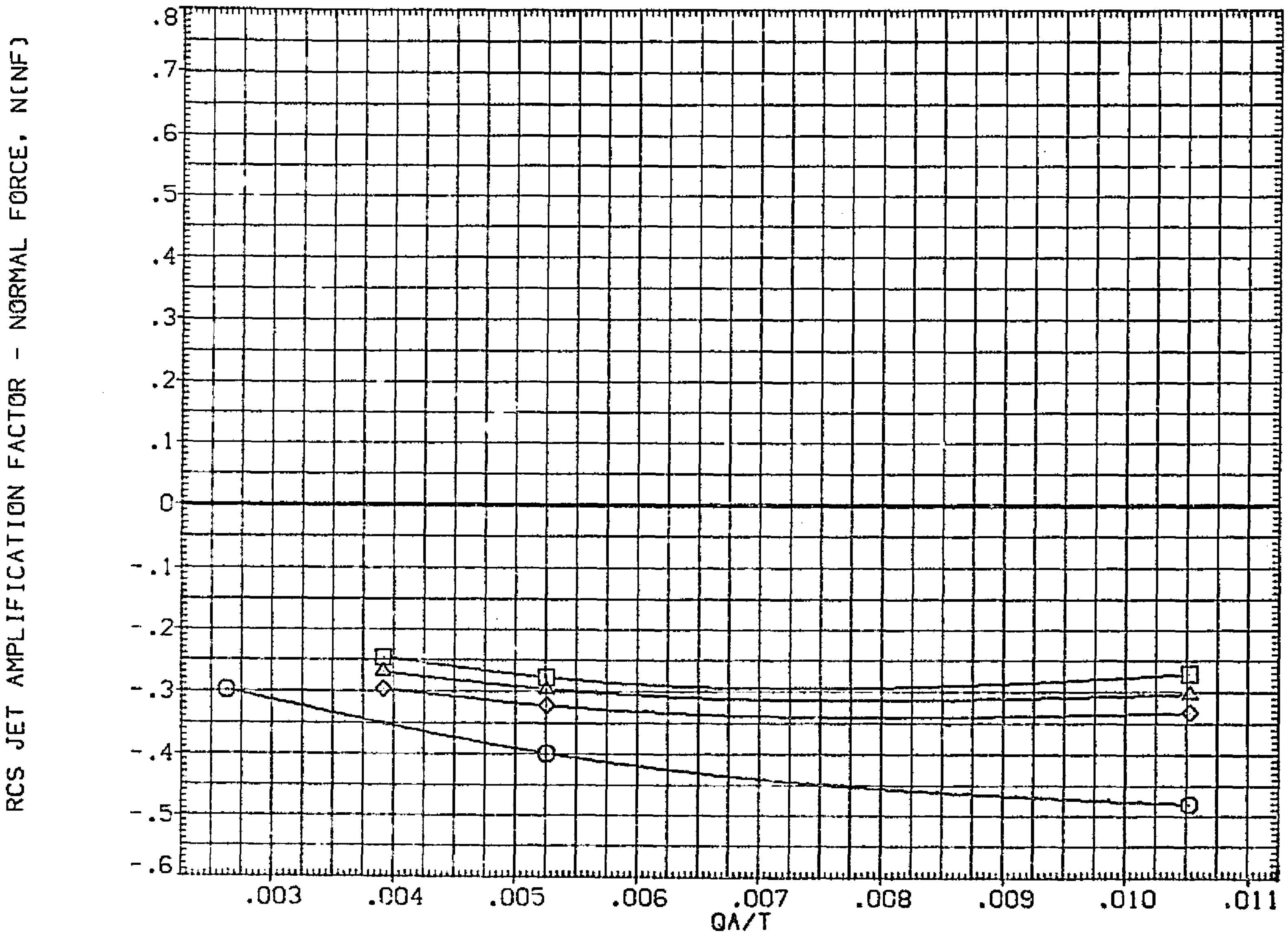

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	OIN32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	OIN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	OIN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	OIN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XC
YMRP	.0000	IN. YC
ZMRP	375.0000	IN. ZO
SCALE	.0100	

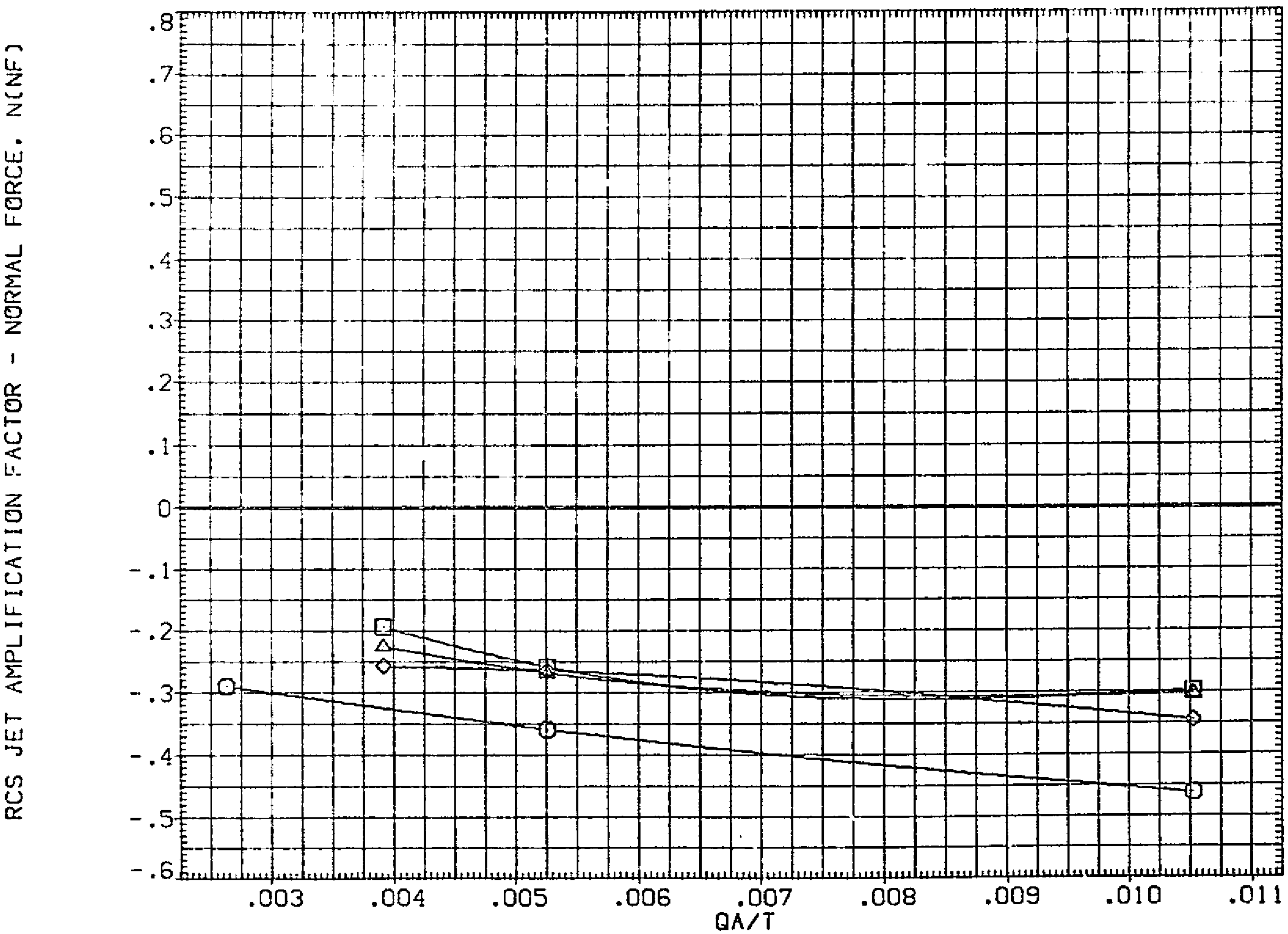

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

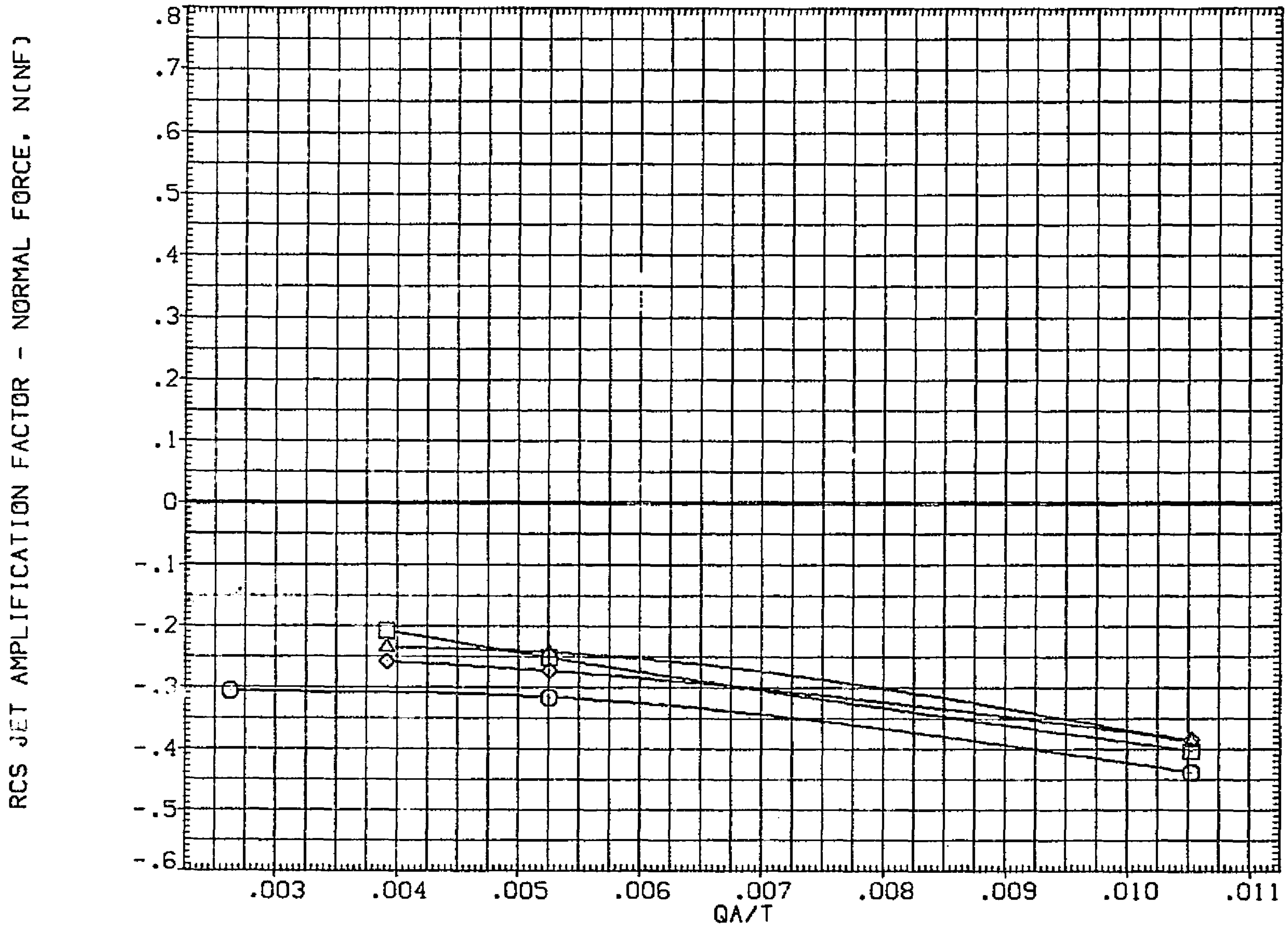

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

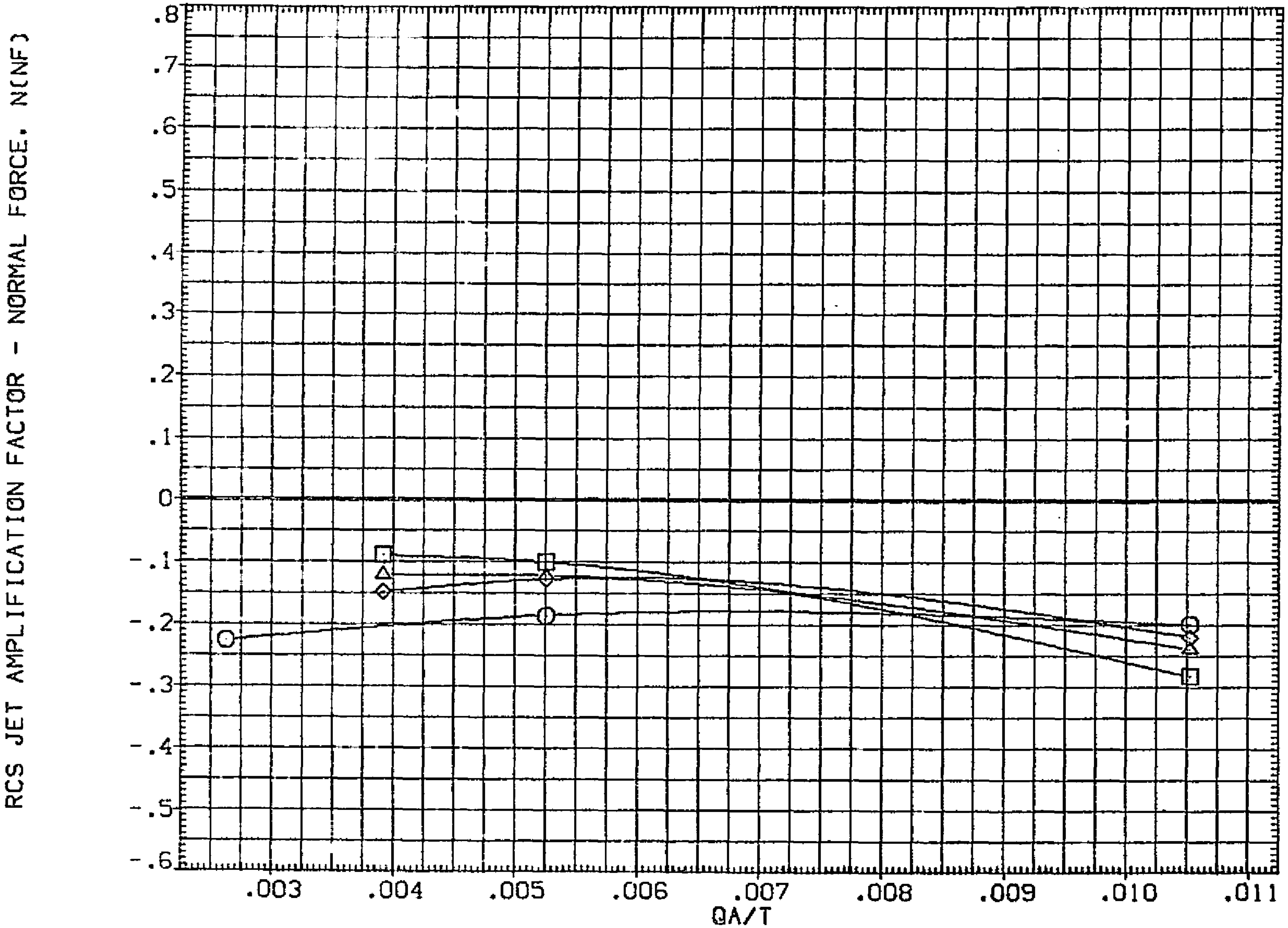

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	OIN32	LARC CFH: 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	OIN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	OIN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	OIN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

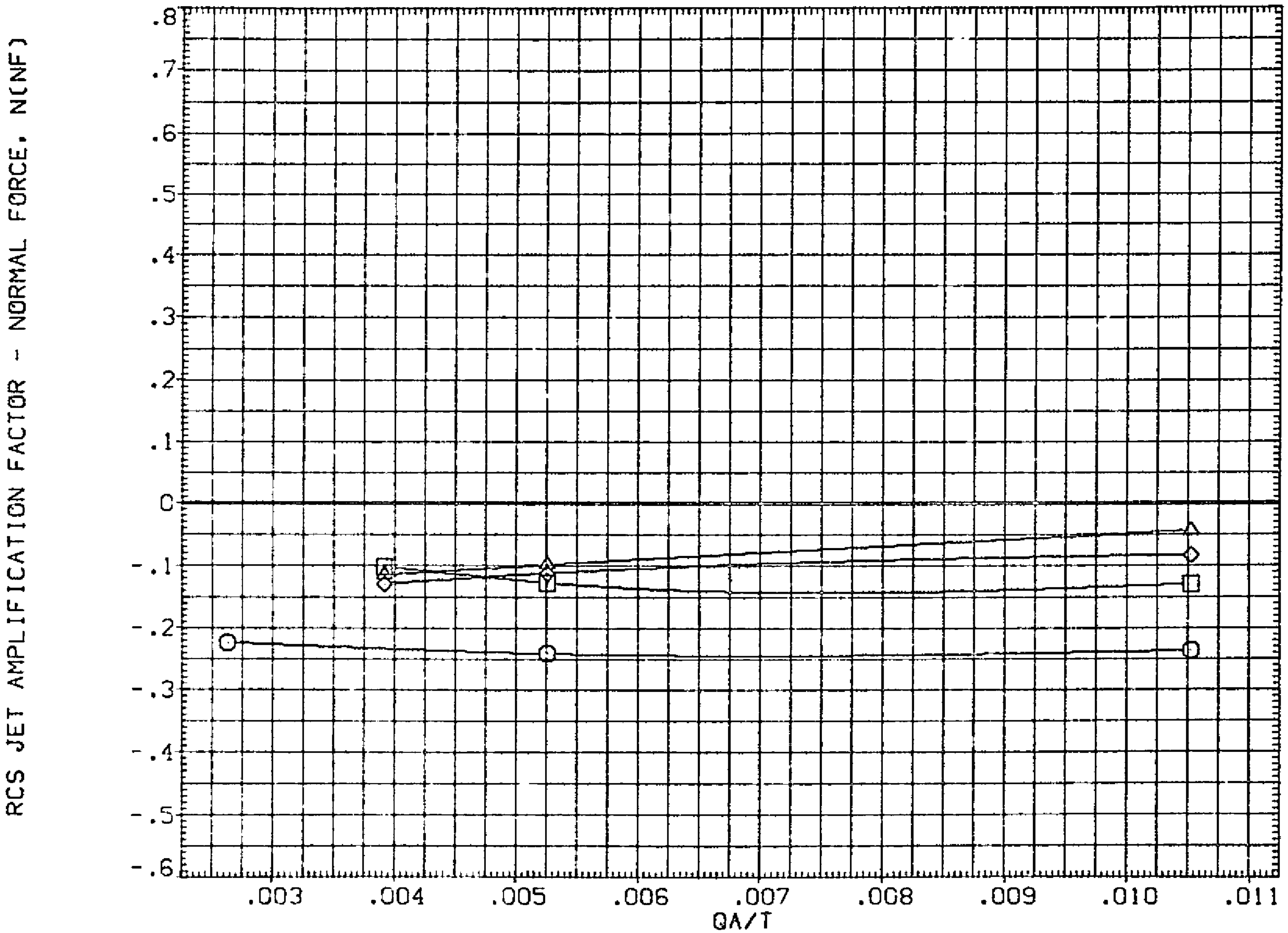

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(K)ALPHA = 15.00

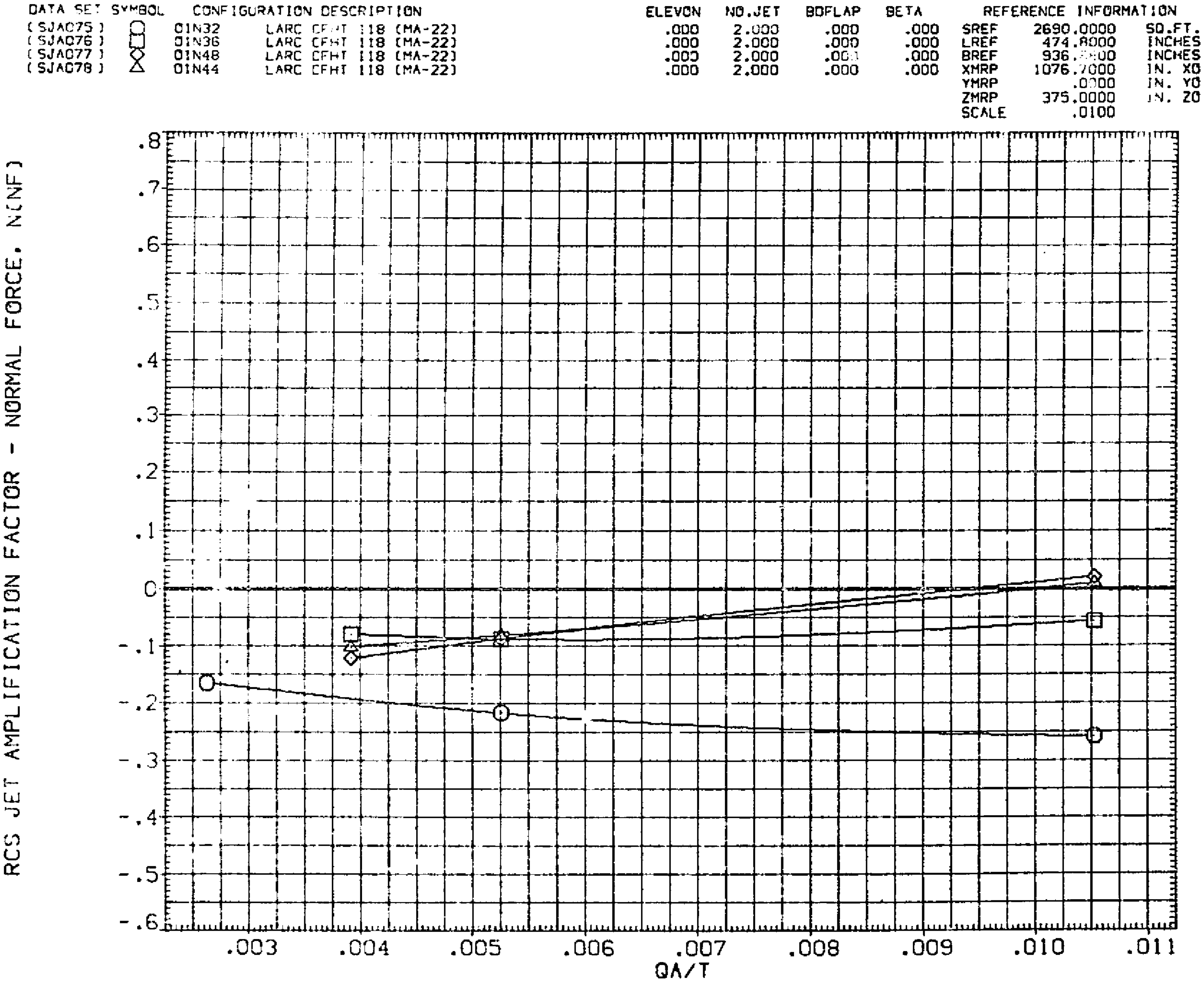

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	O:N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	O:N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	O:N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	O:N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

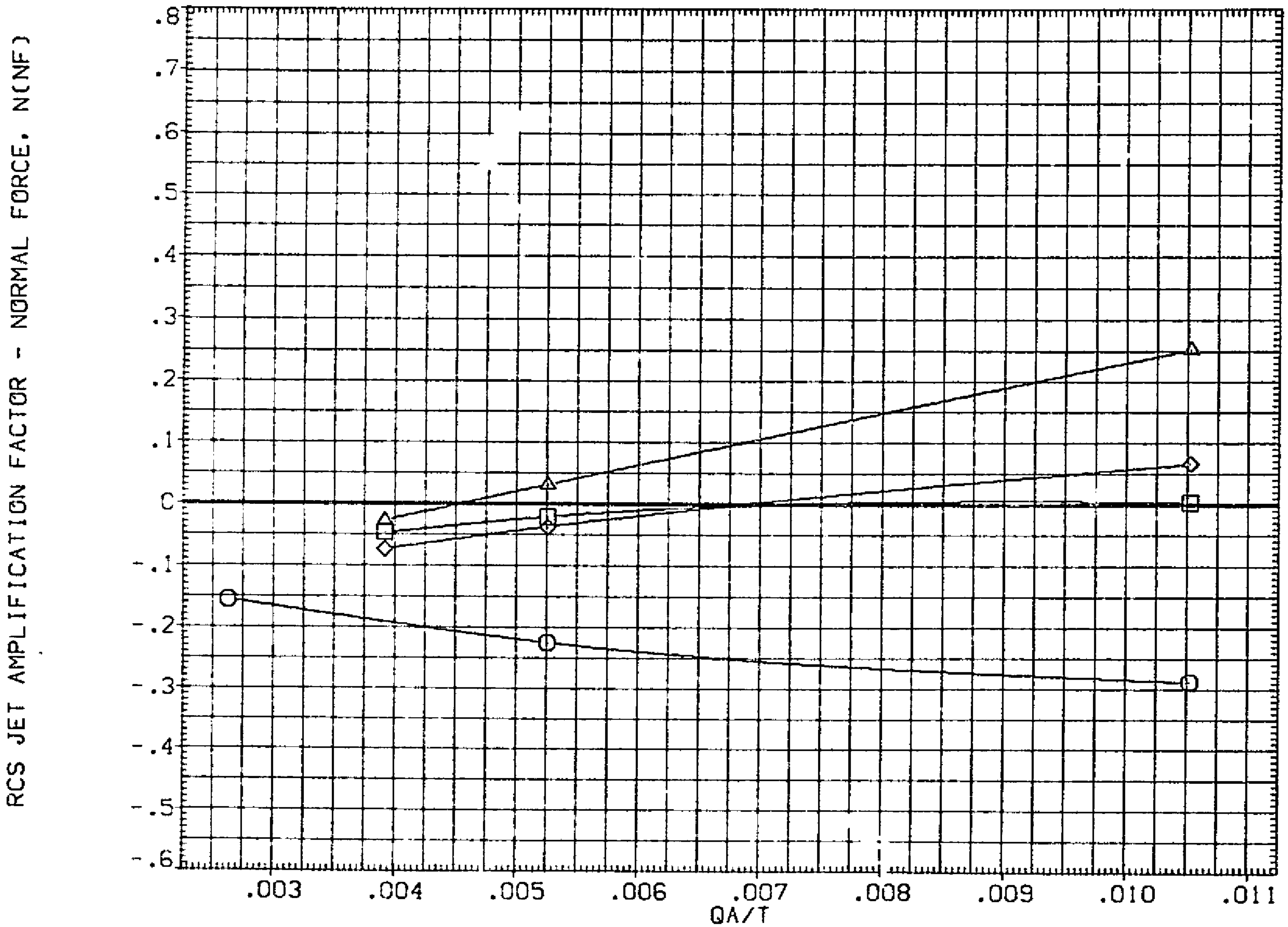

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

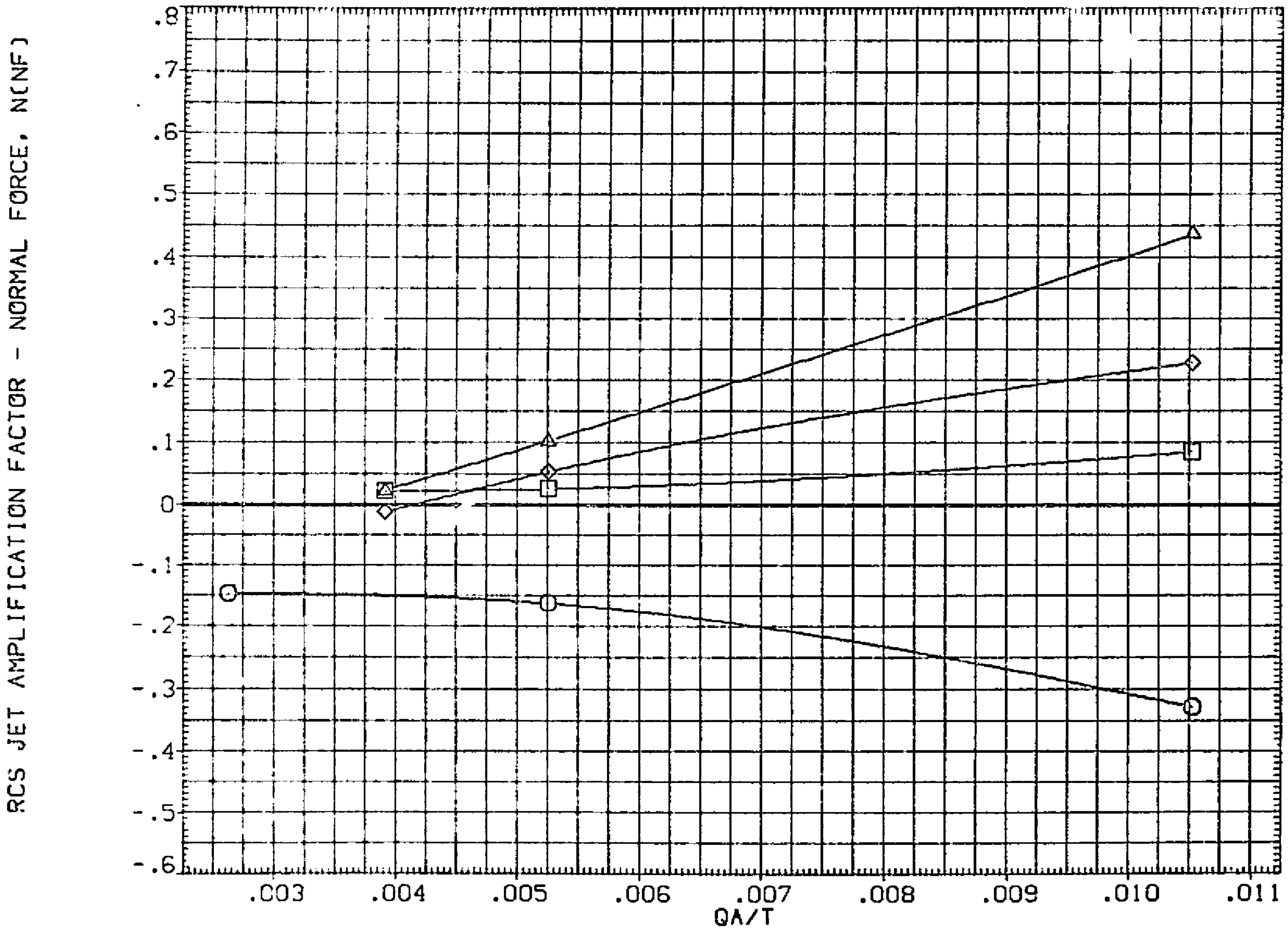

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJ*078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

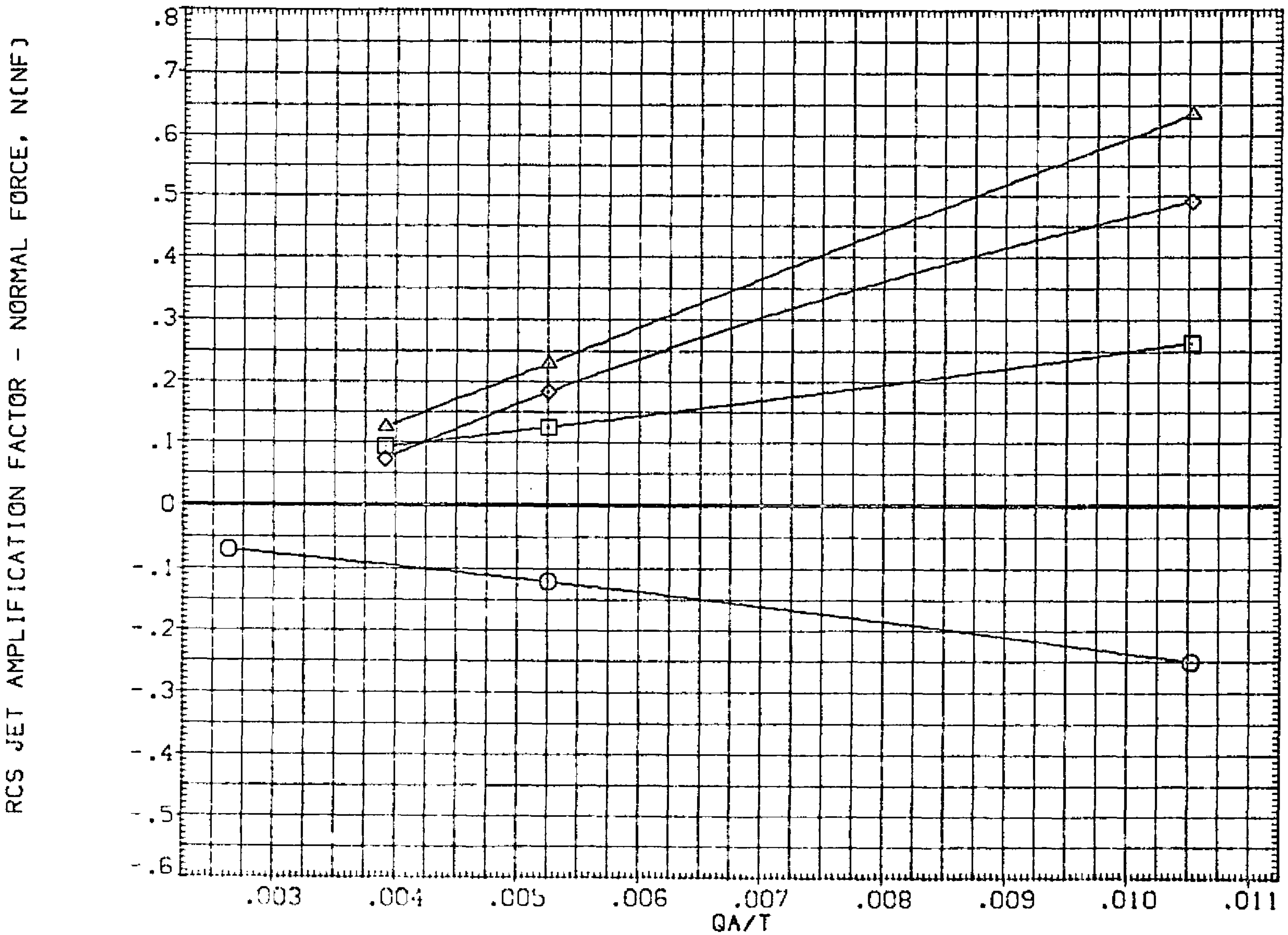

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(D)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

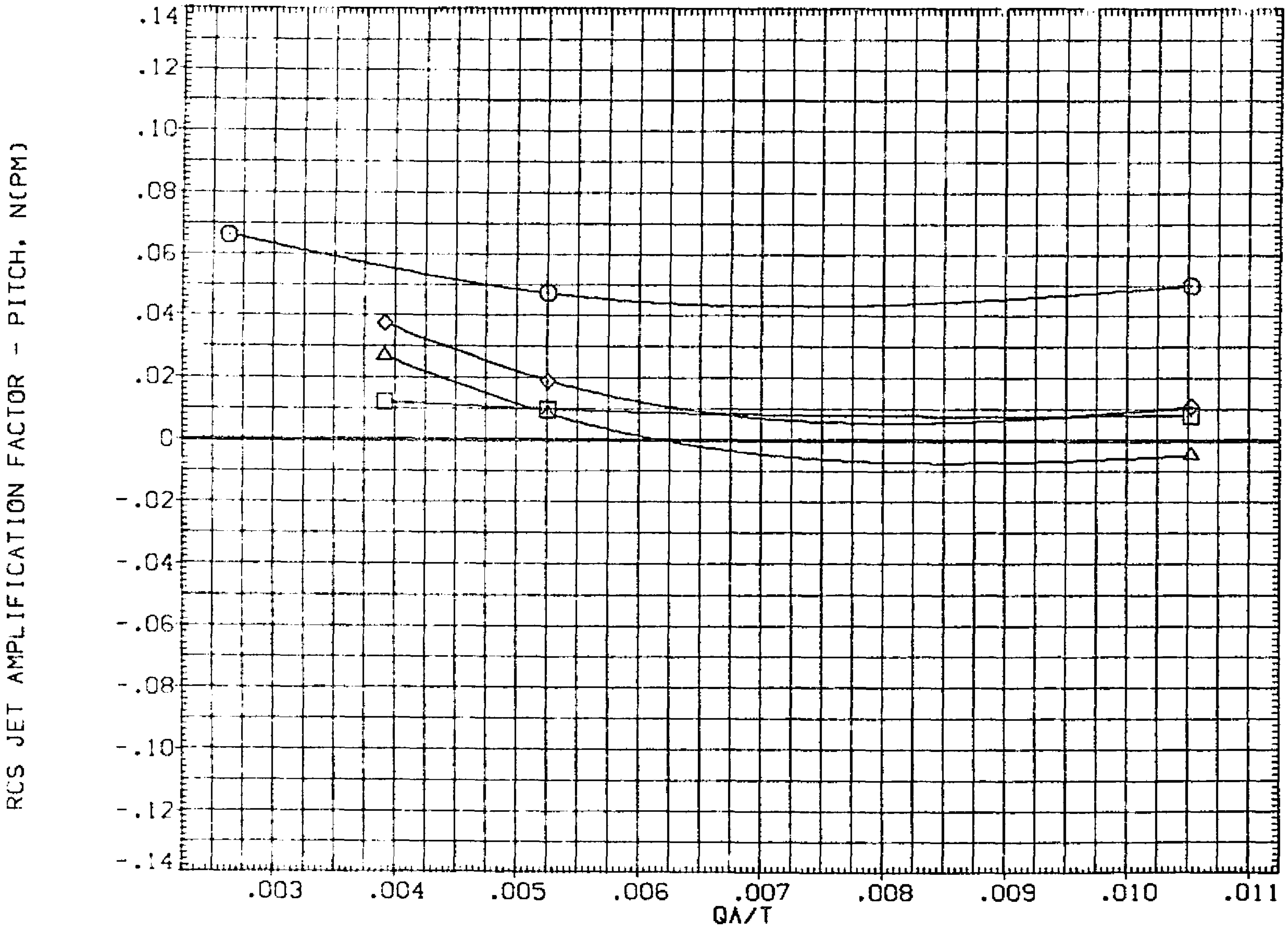

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

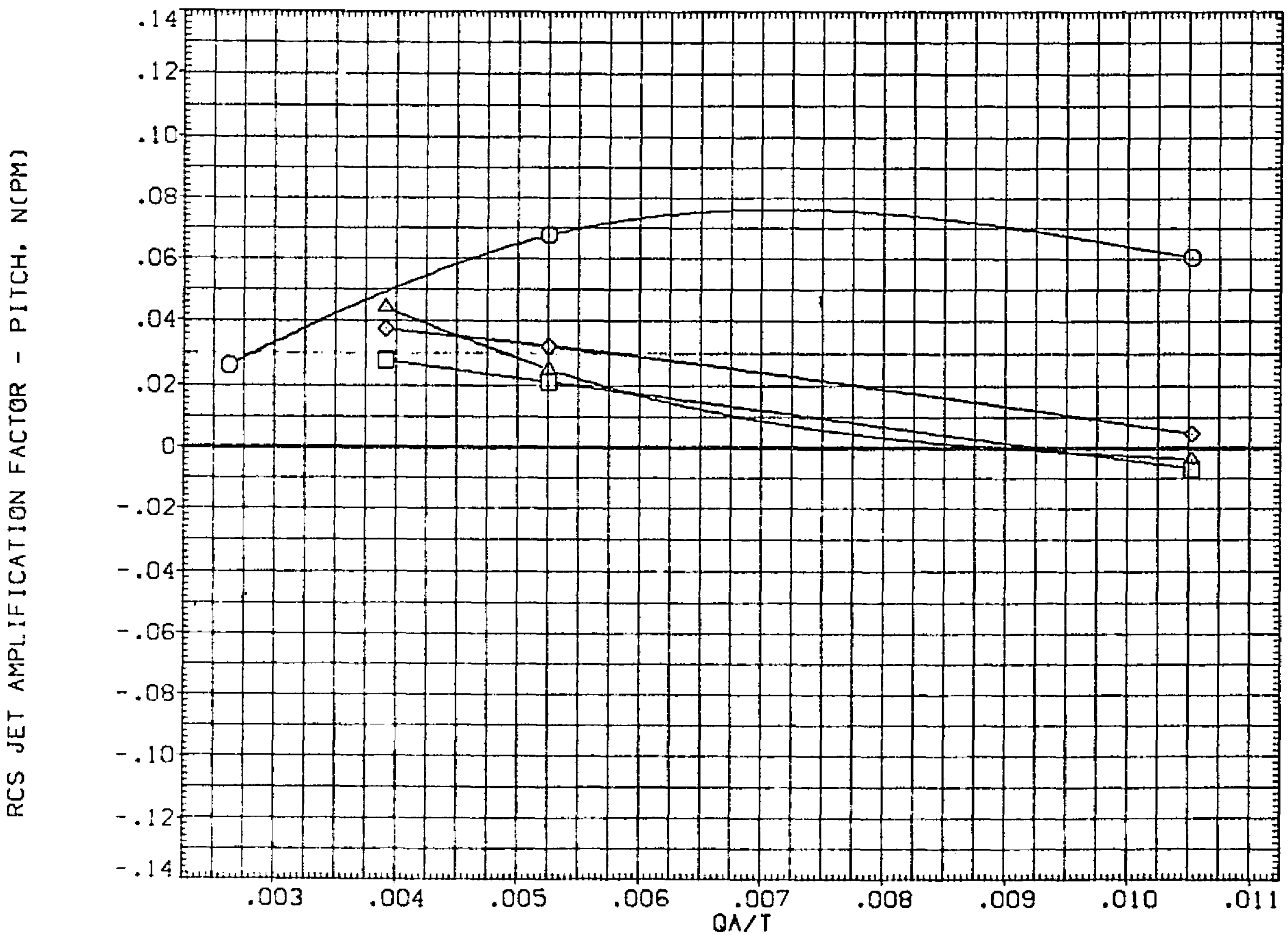

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

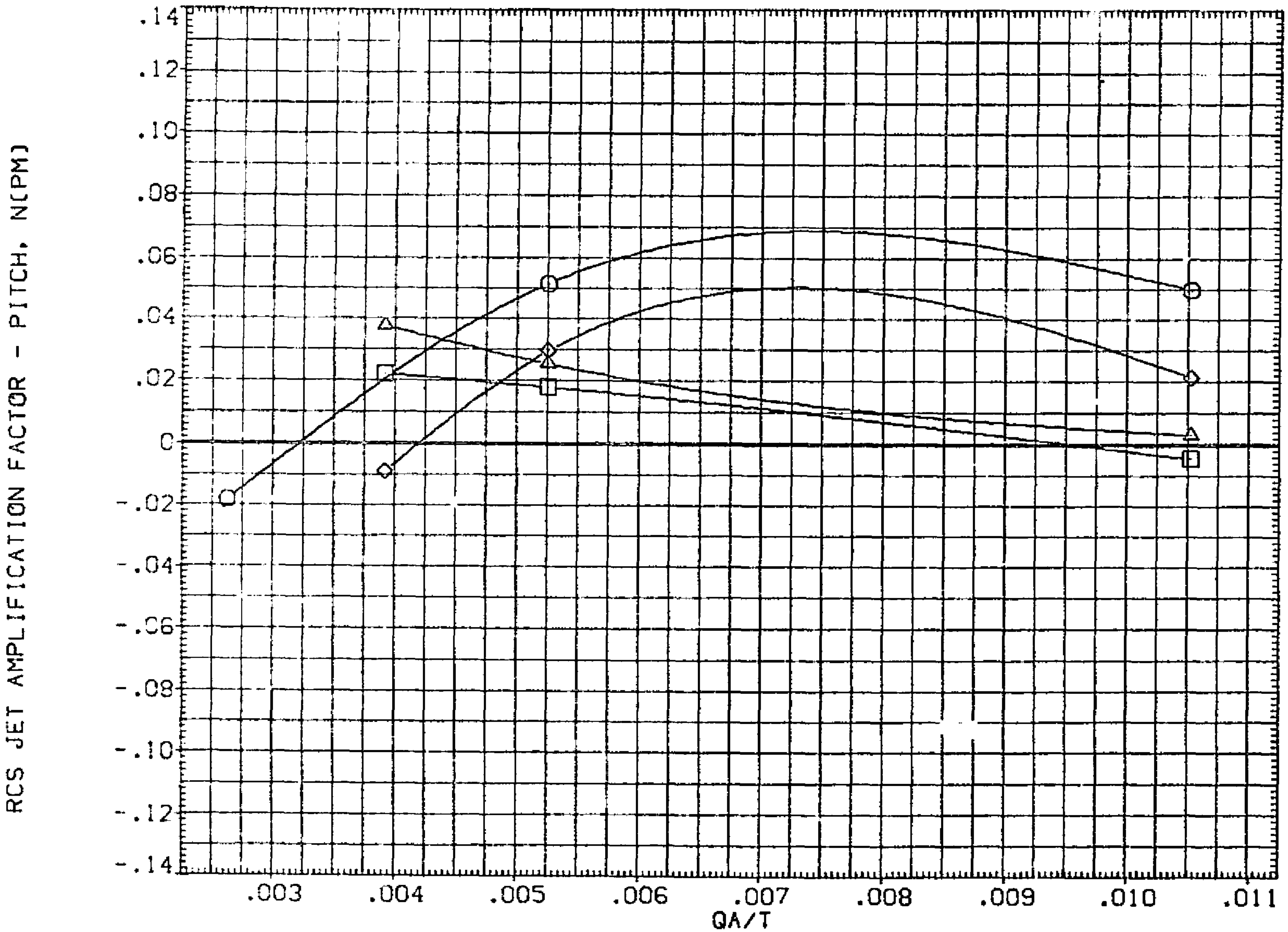

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	OIN32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	OIN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	OIN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	OIN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

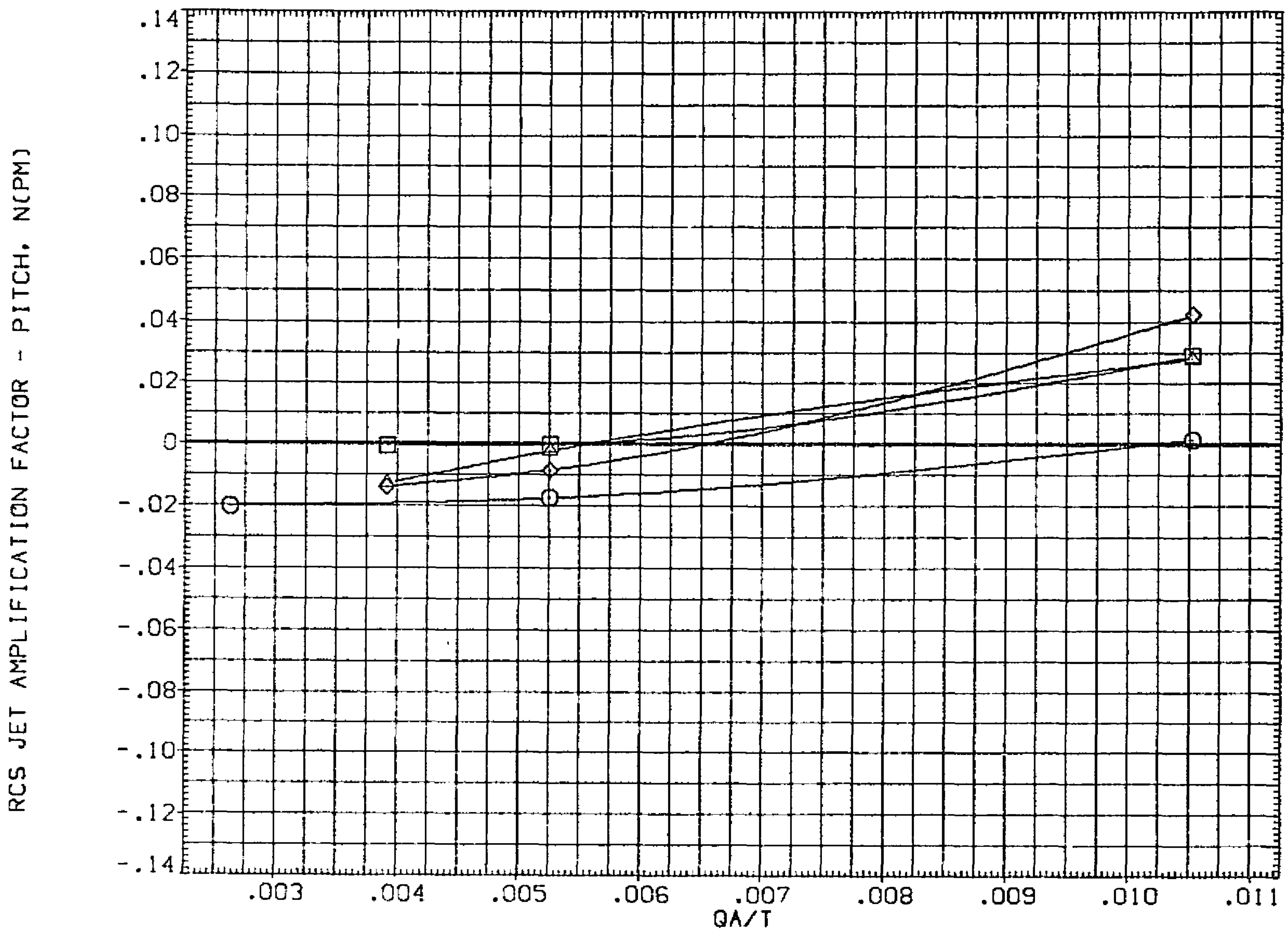

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

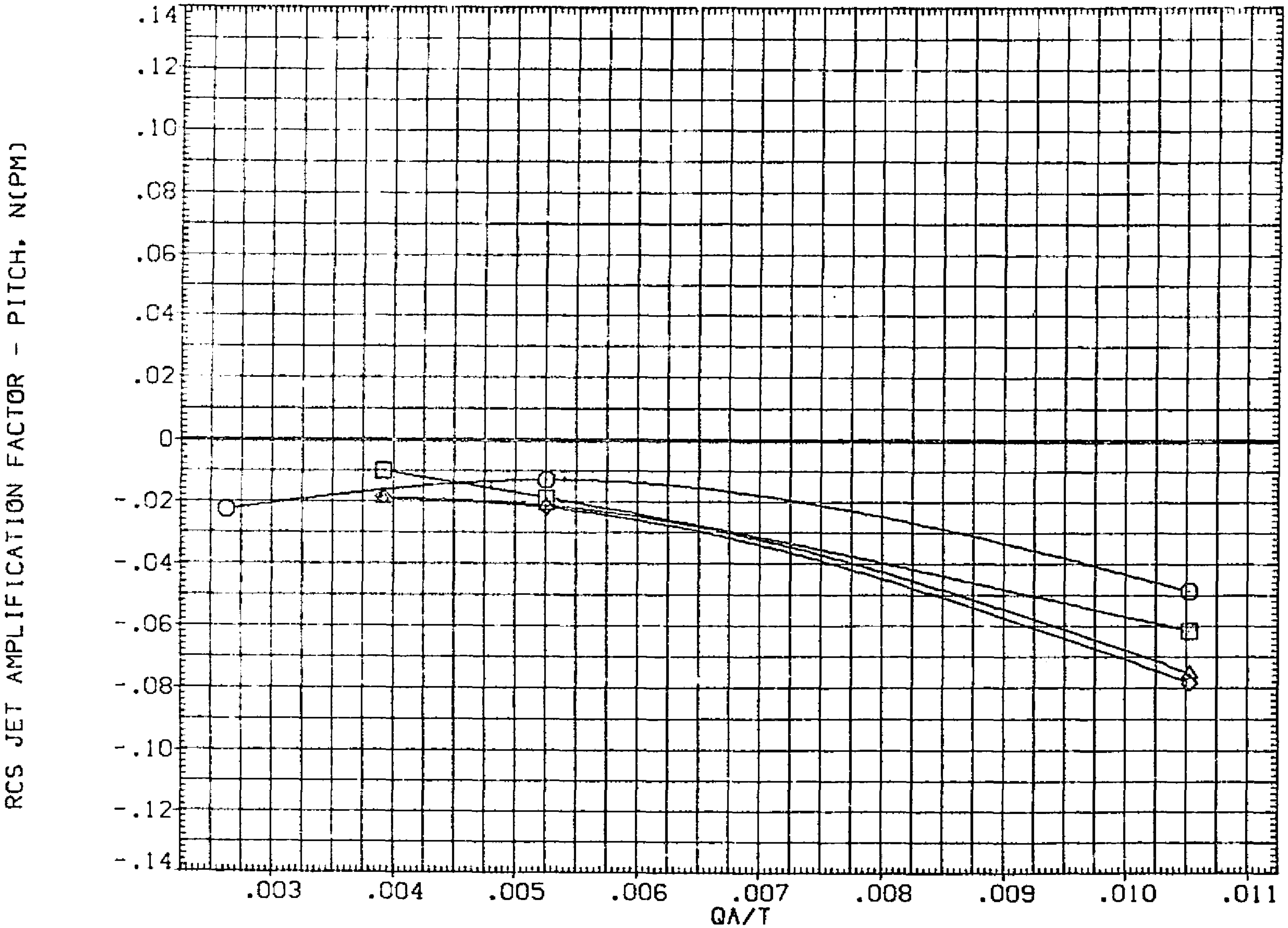

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

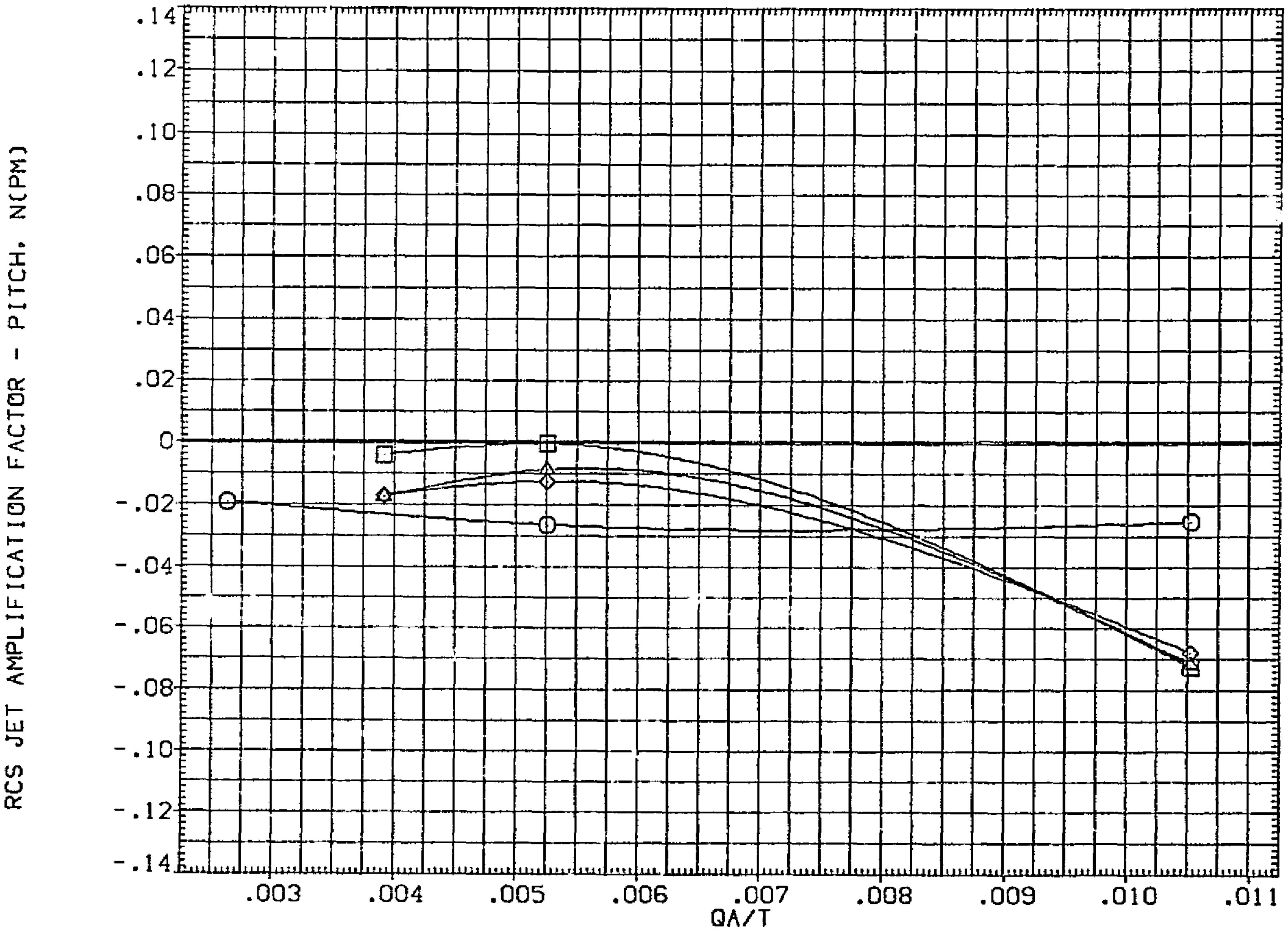

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA079)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

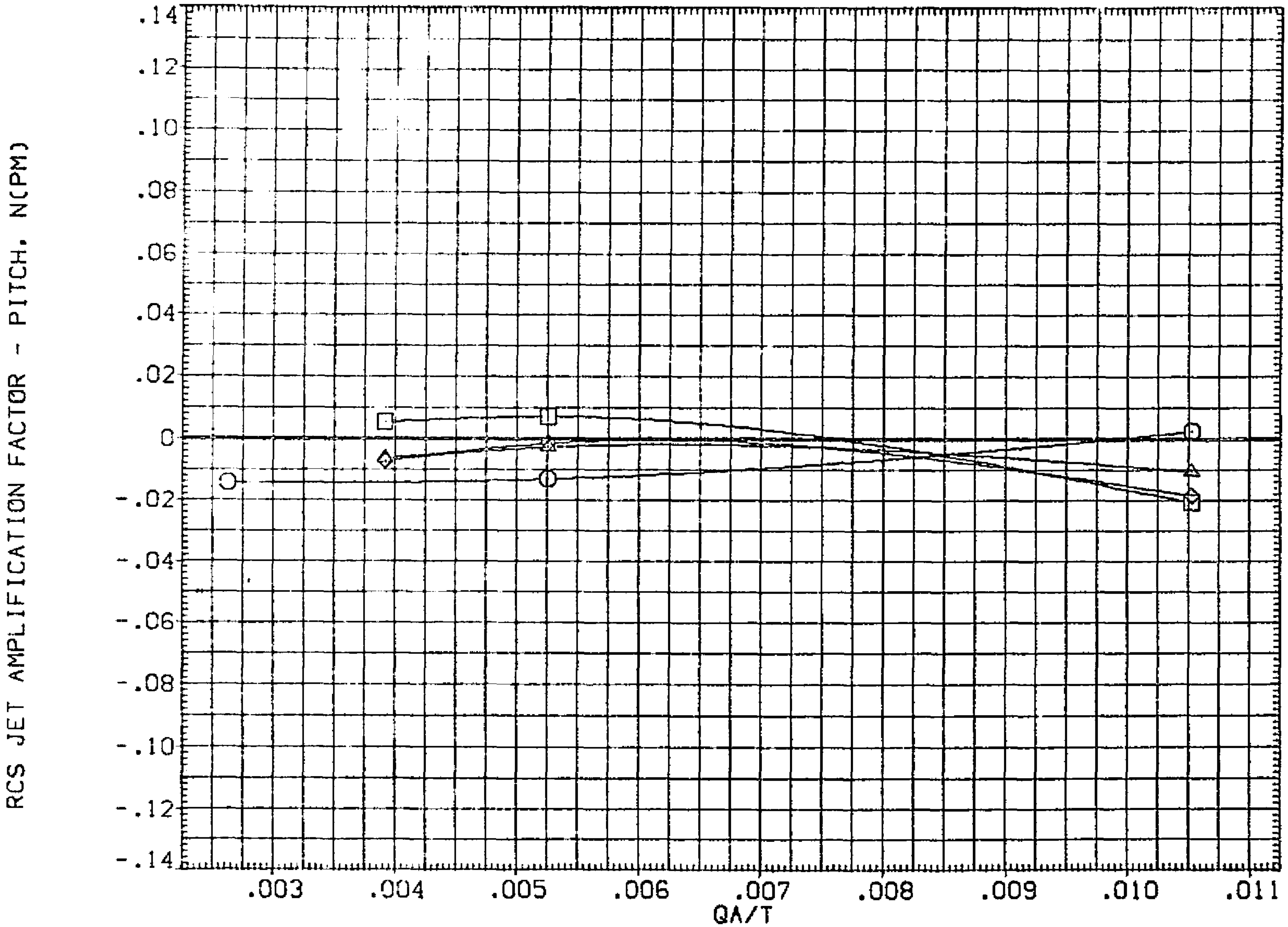

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

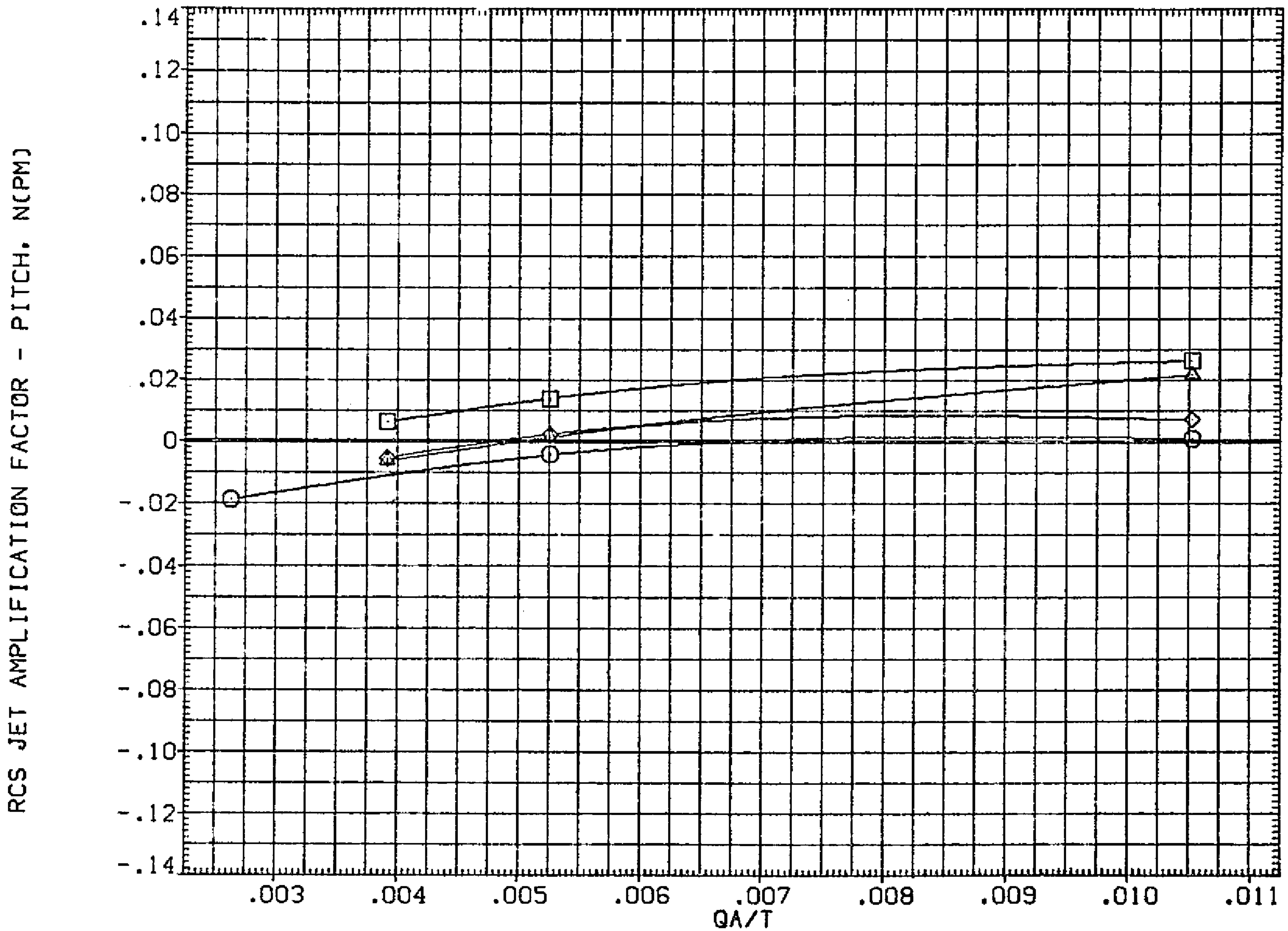

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

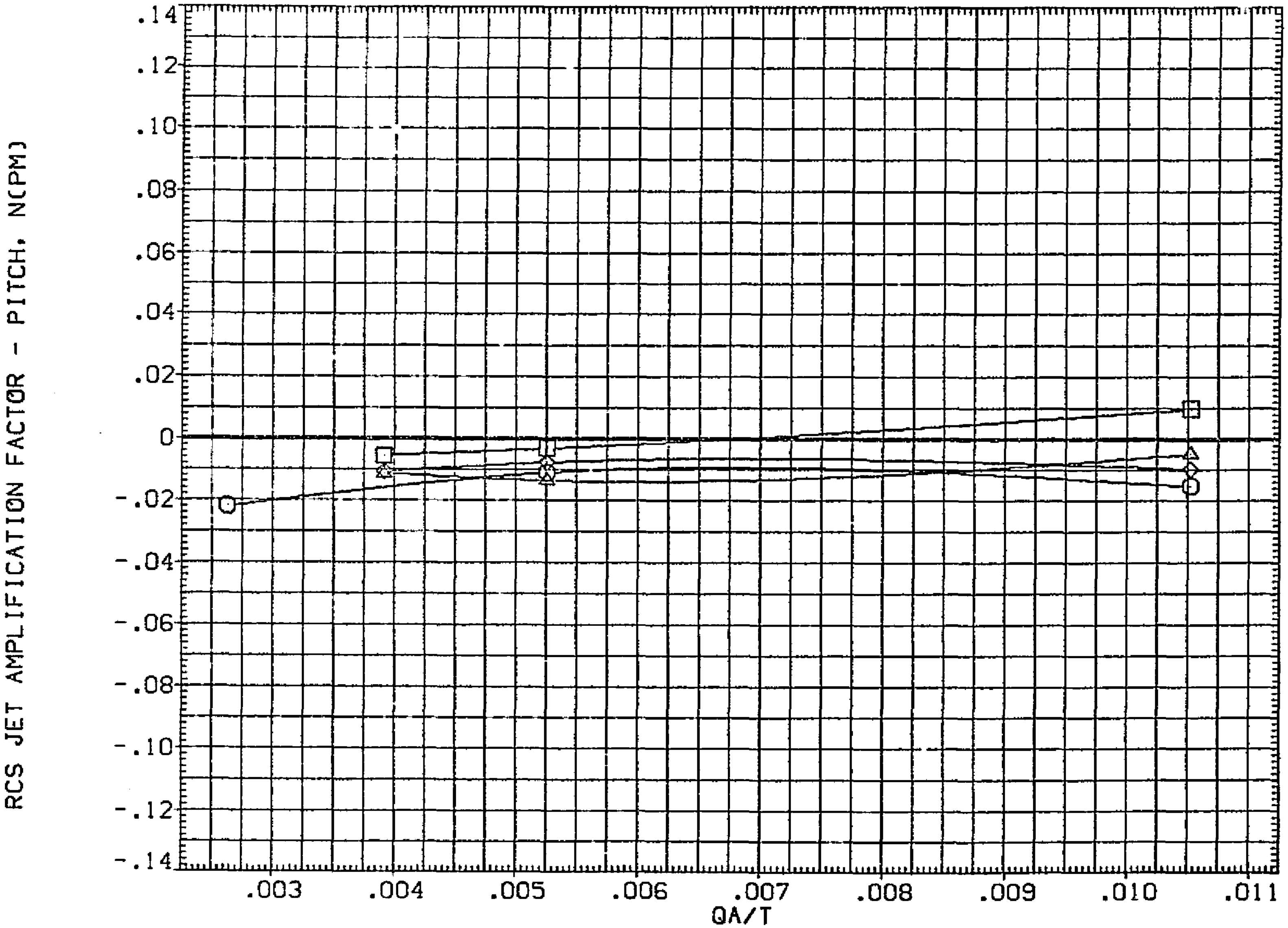

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

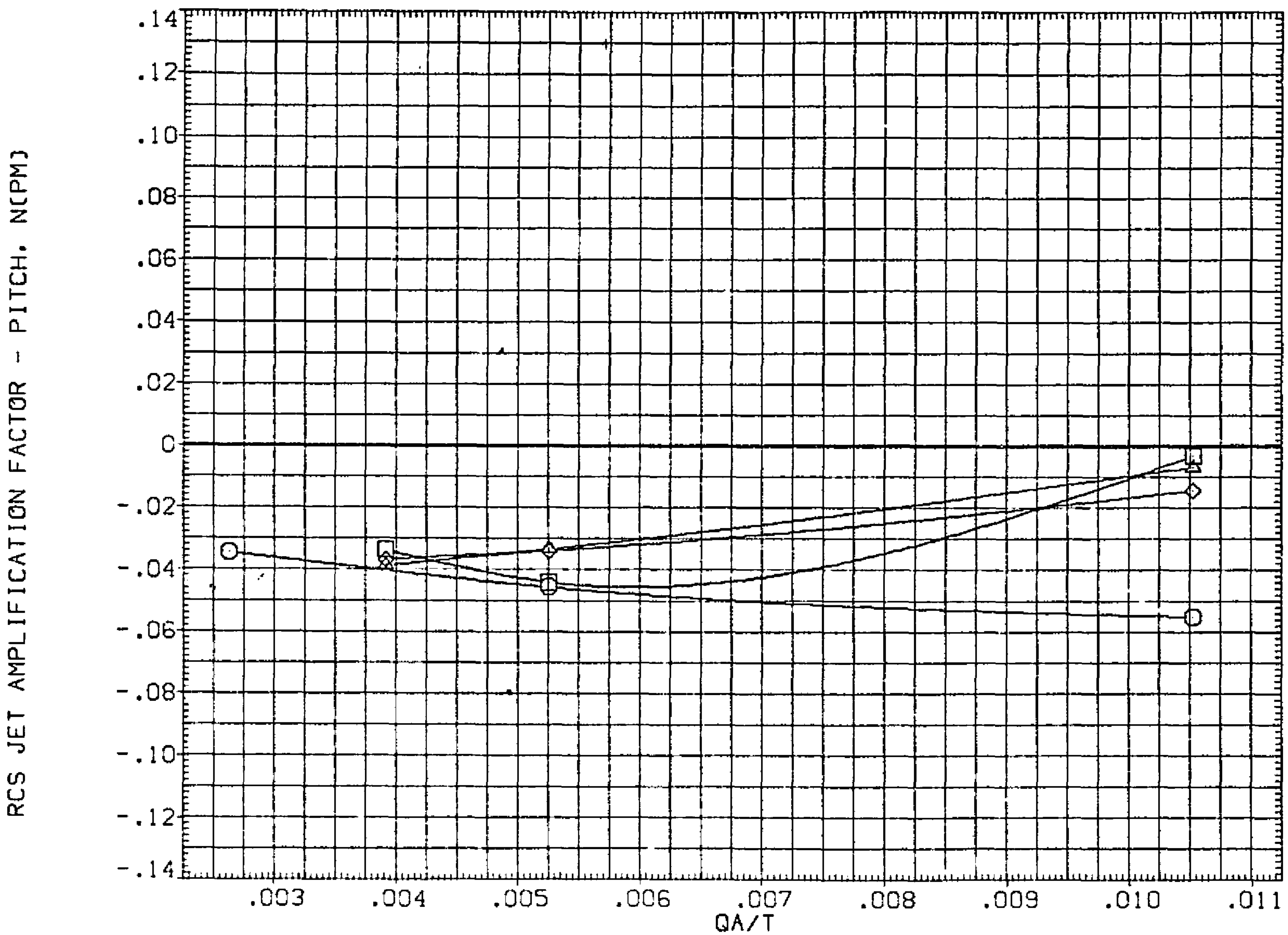

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 116 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	5.0000	IN. ZO
SCALE	.0100	

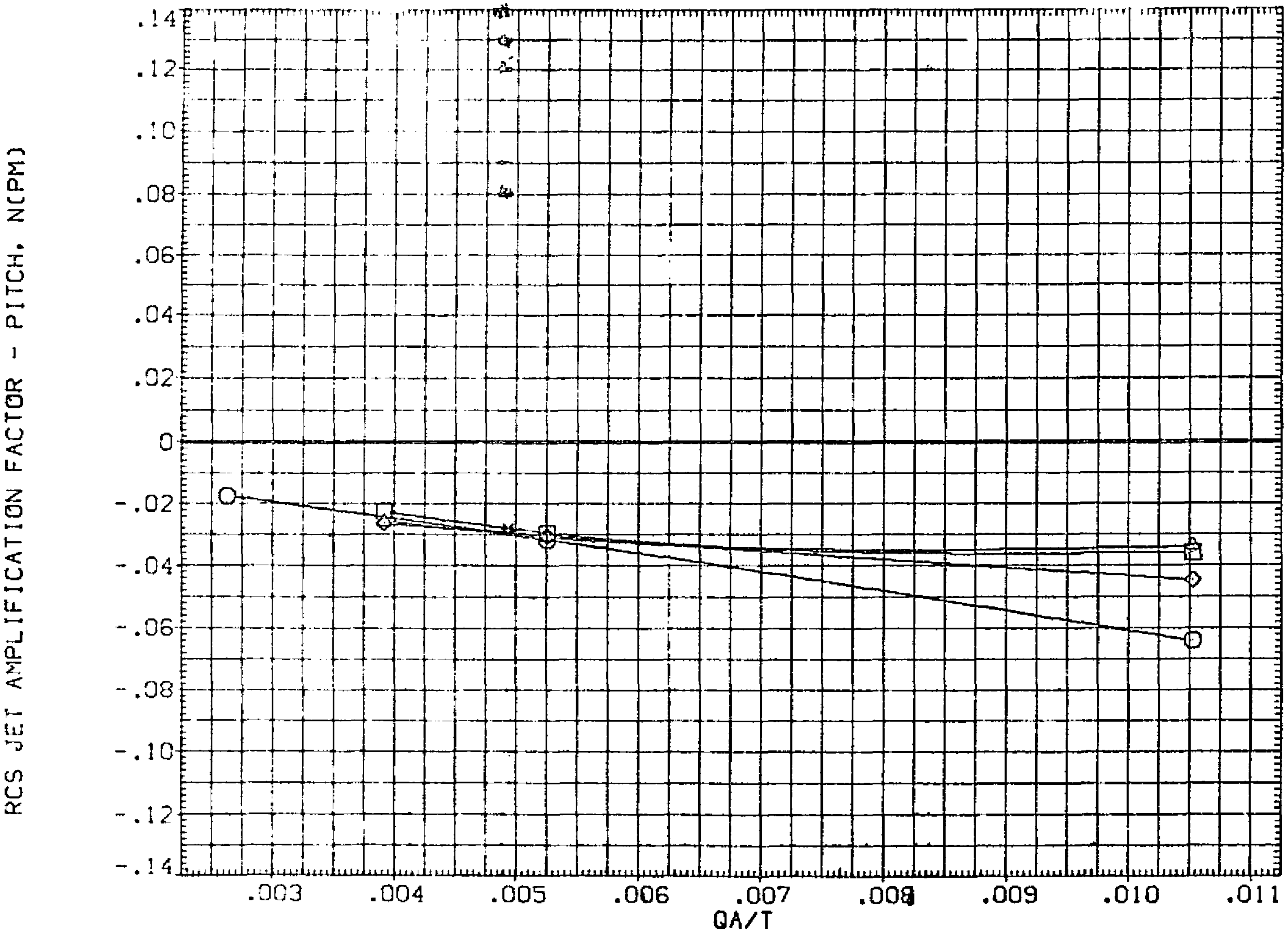

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

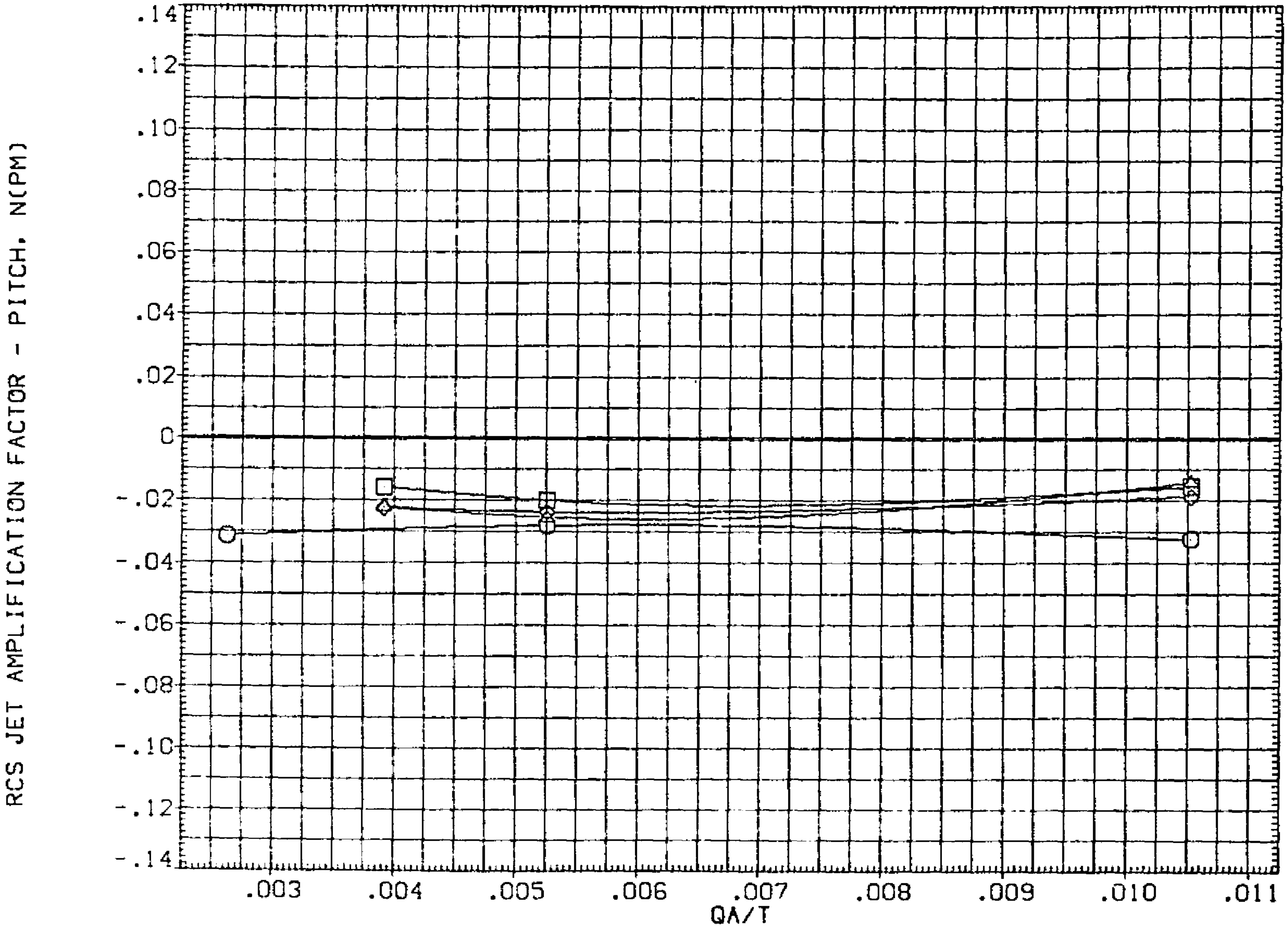

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS
(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

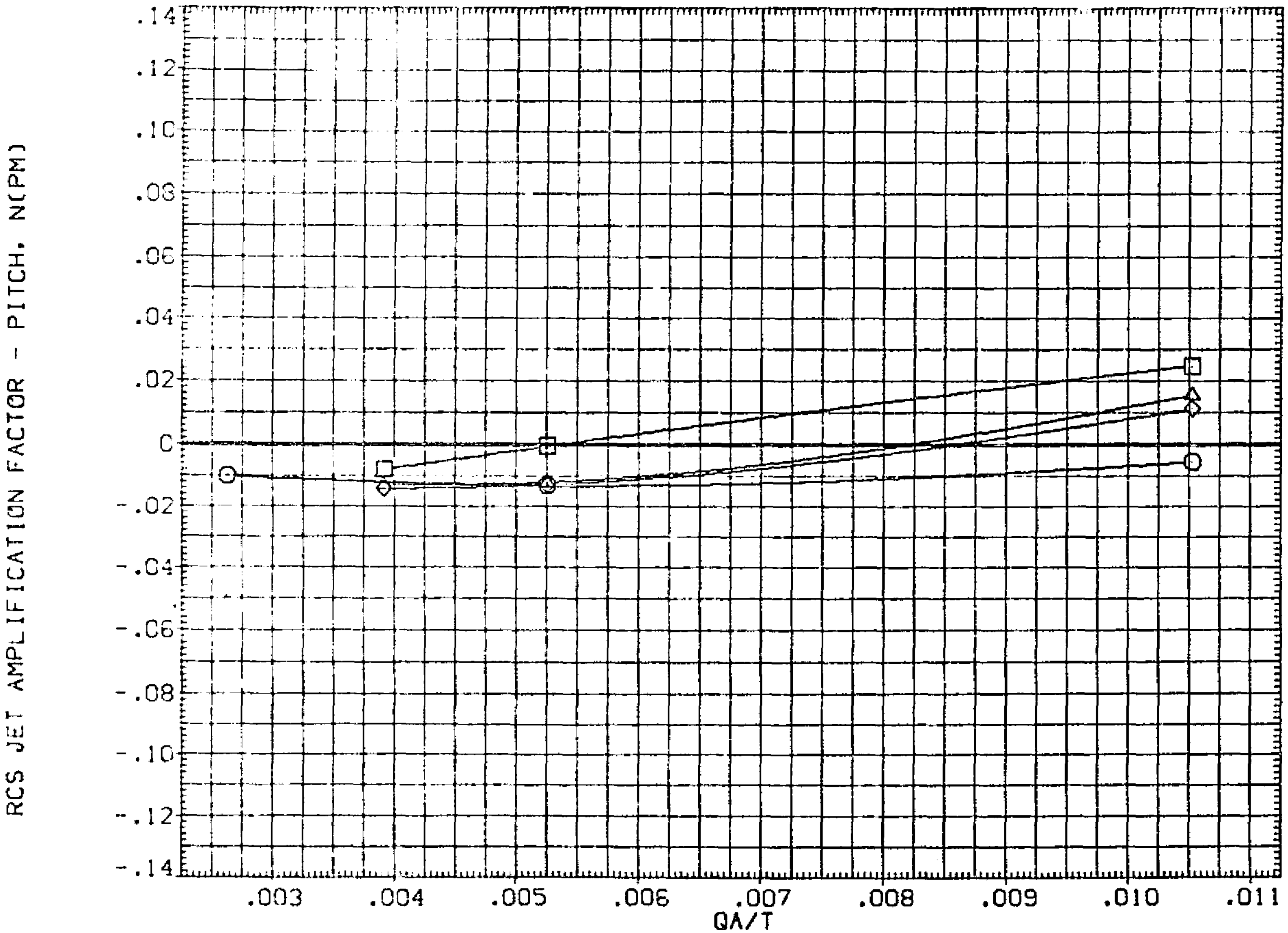

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

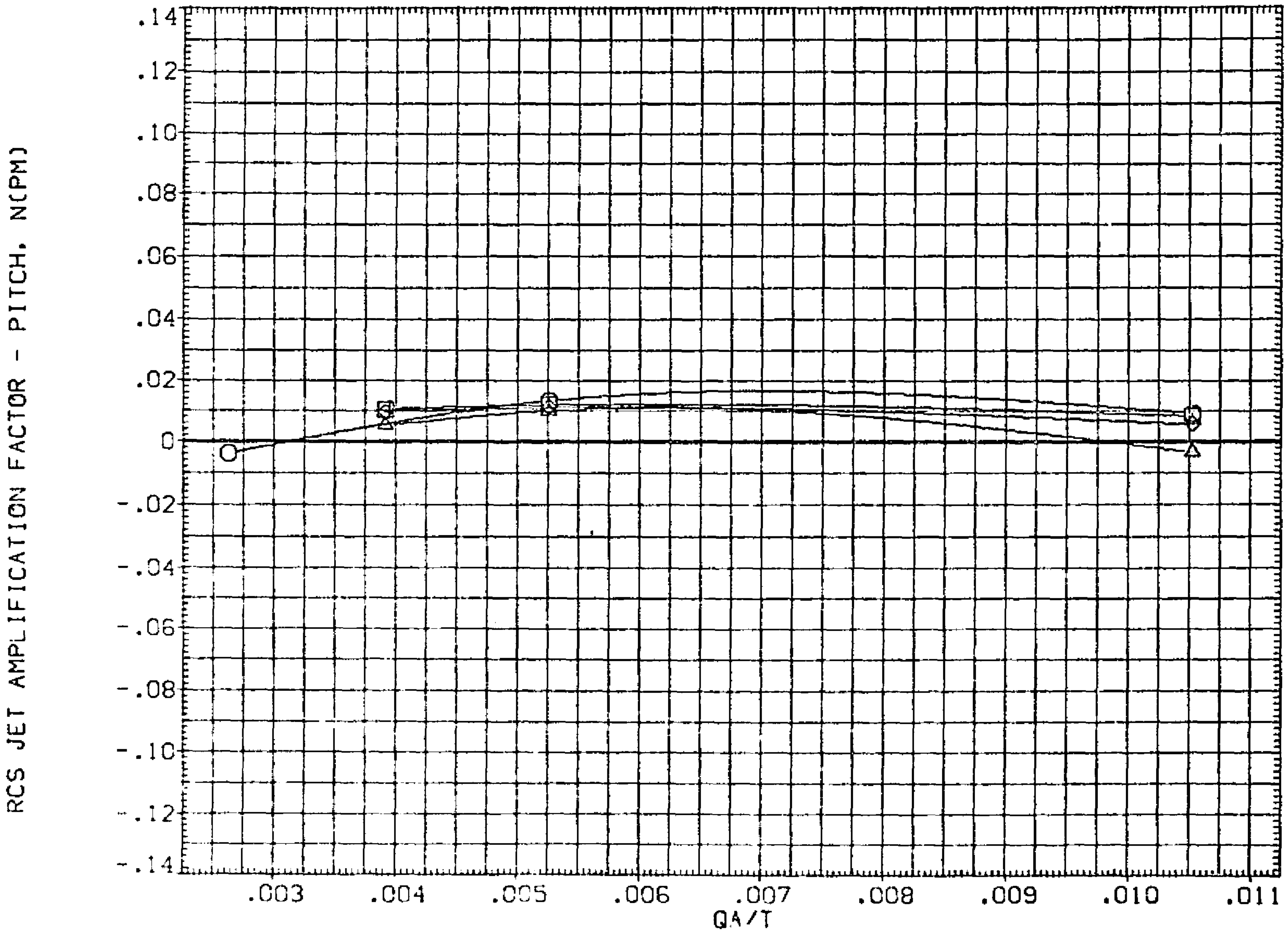

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0300	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

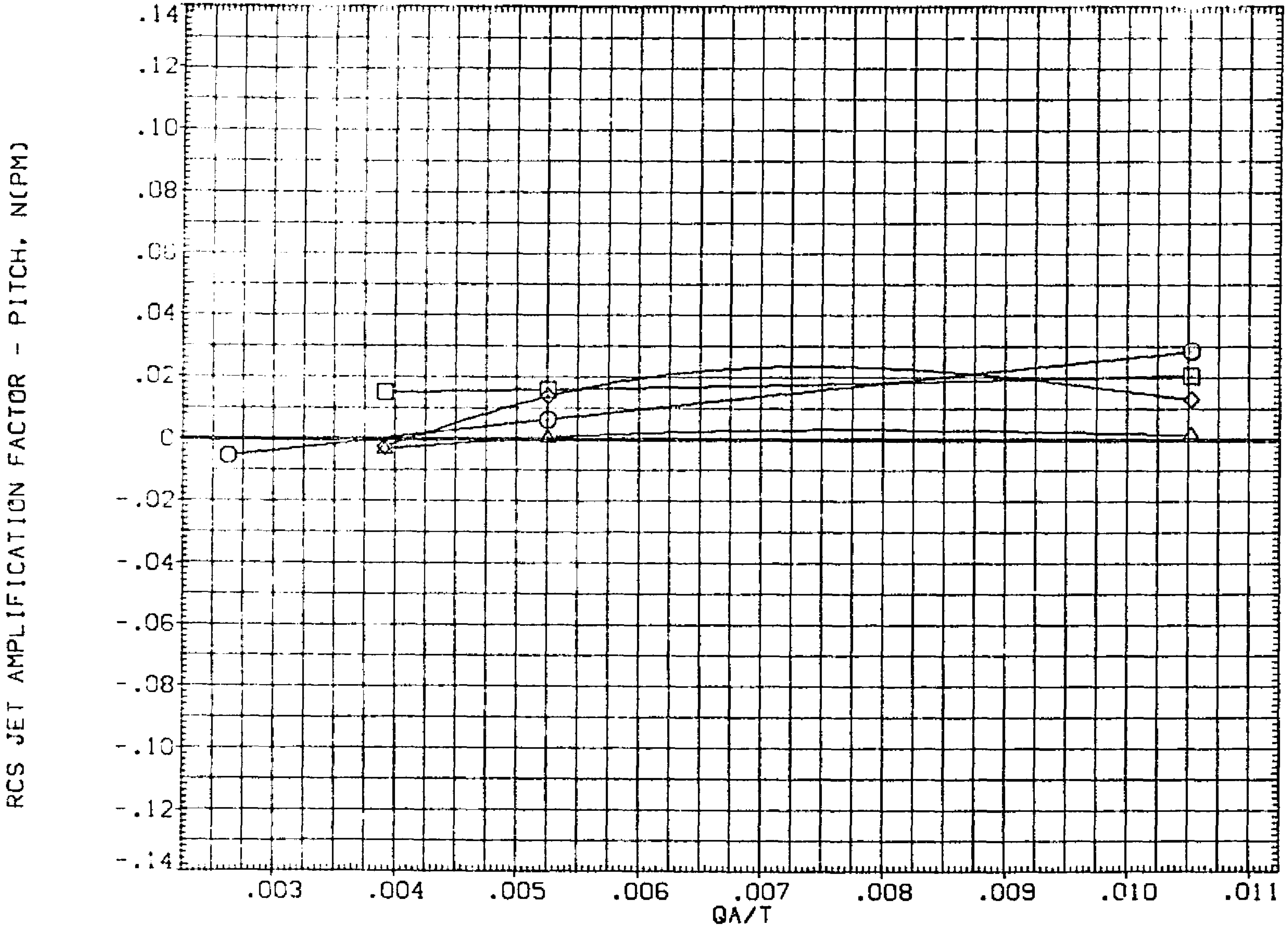

FIGURE 94. AREA RATIO EFFECTS, R/.I UP FIRING JETS

(C)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

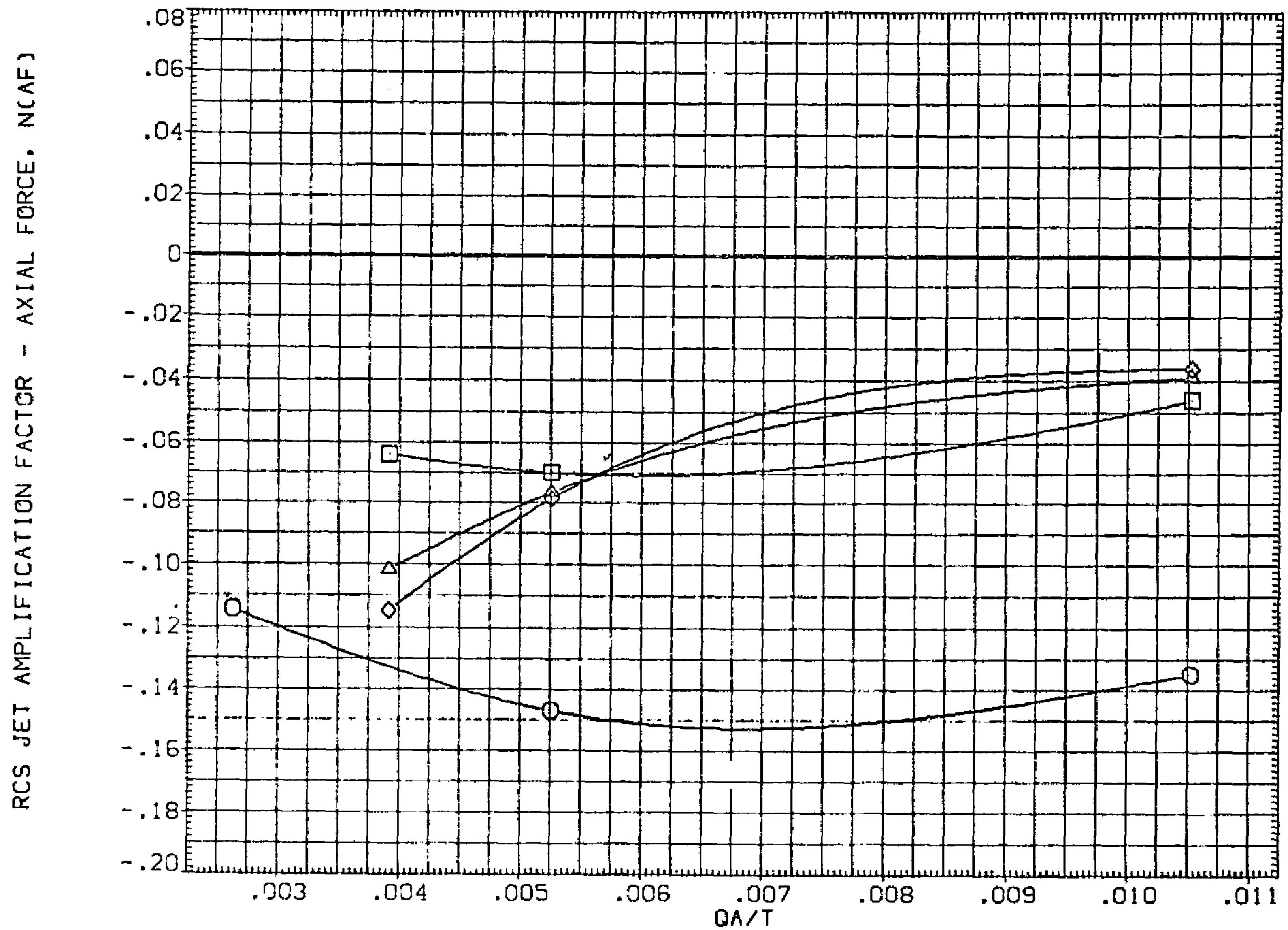

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(A)ALPHA = -8.00

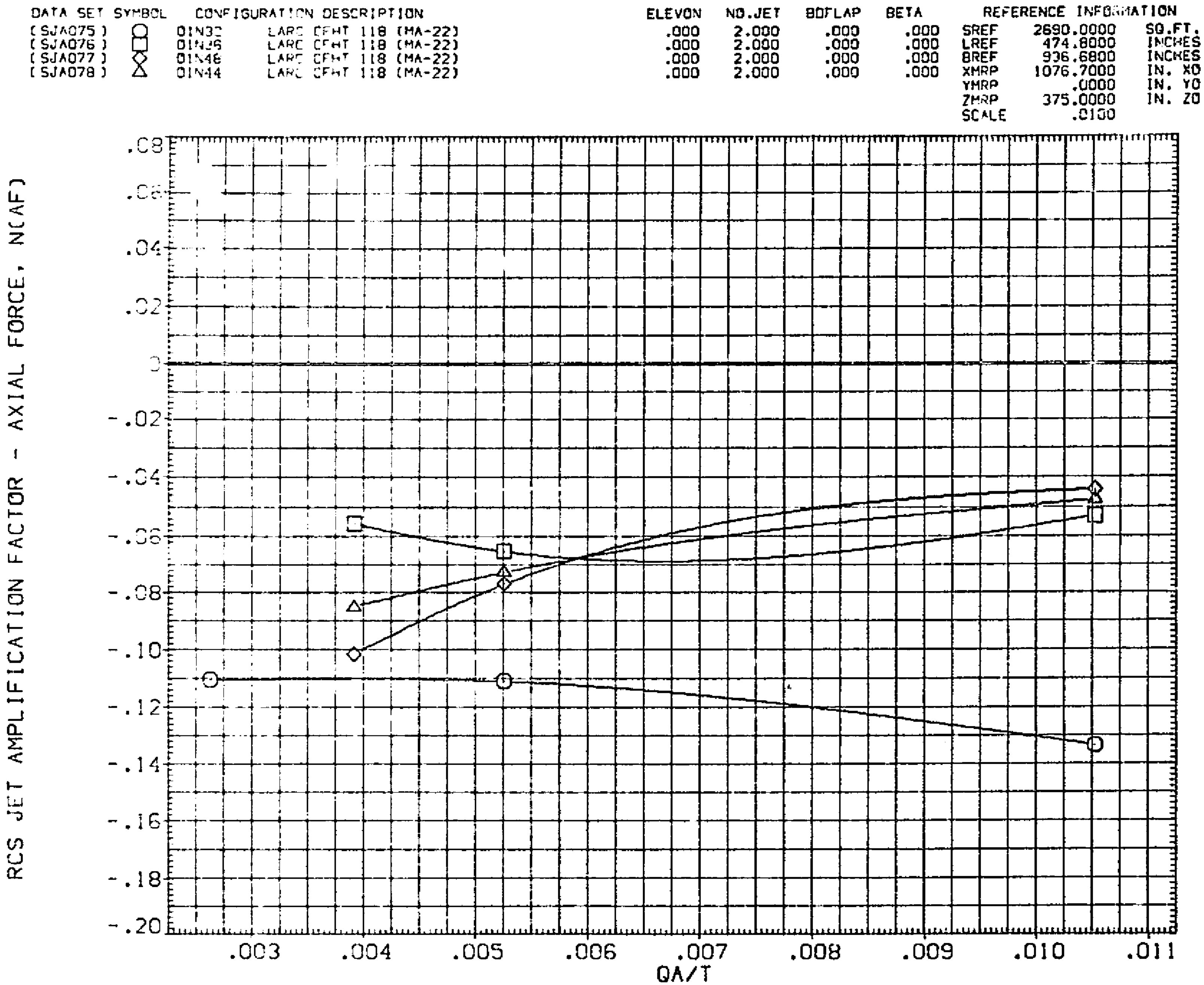

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)

ELEVON	NO.JET	BDFLAP	BETA
.000	2.000	.000	.000
.000	2.000	.000	.000
.000	2.000	.000	.000
.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

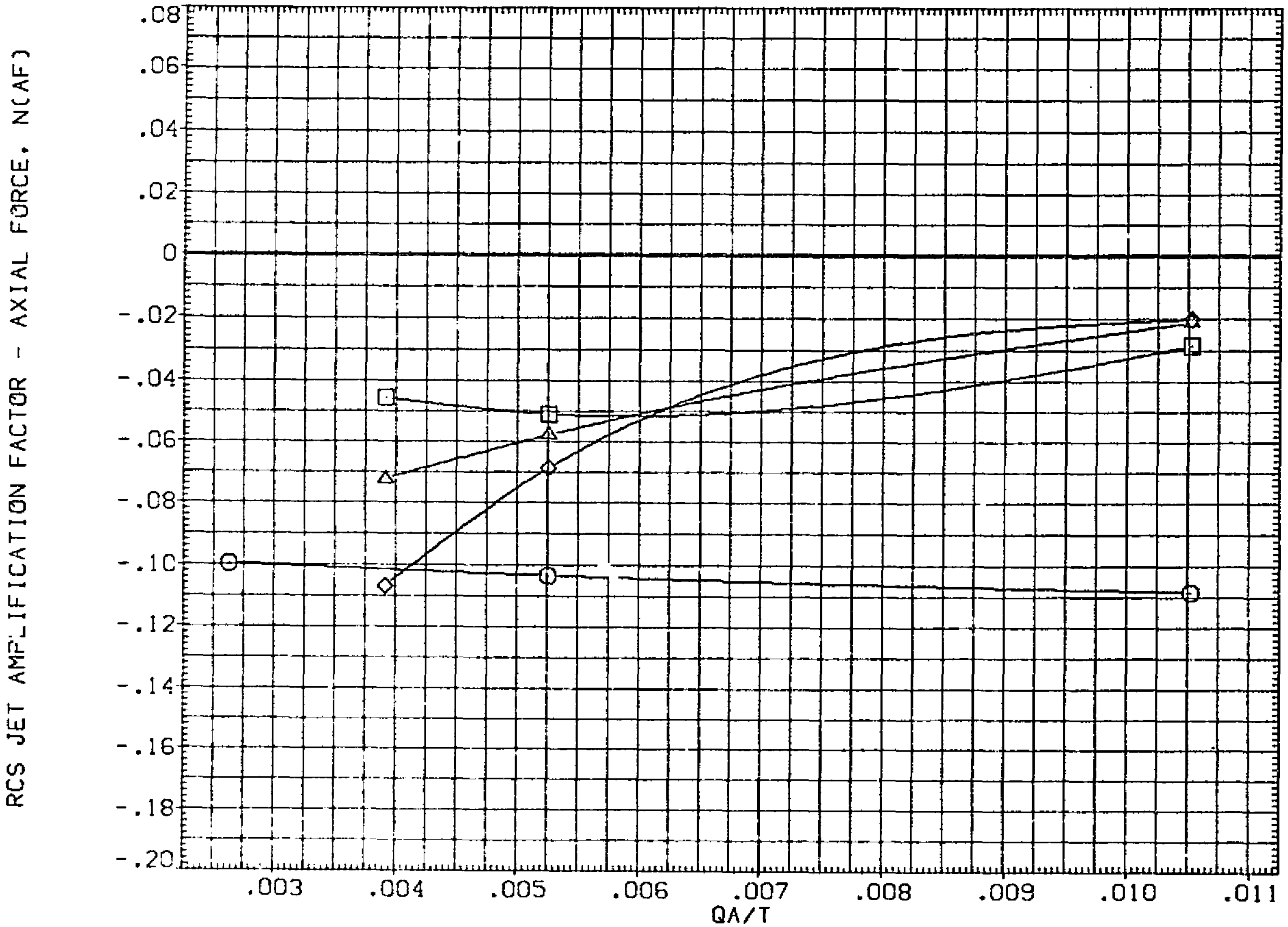

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(C)ALPHA = -4.00

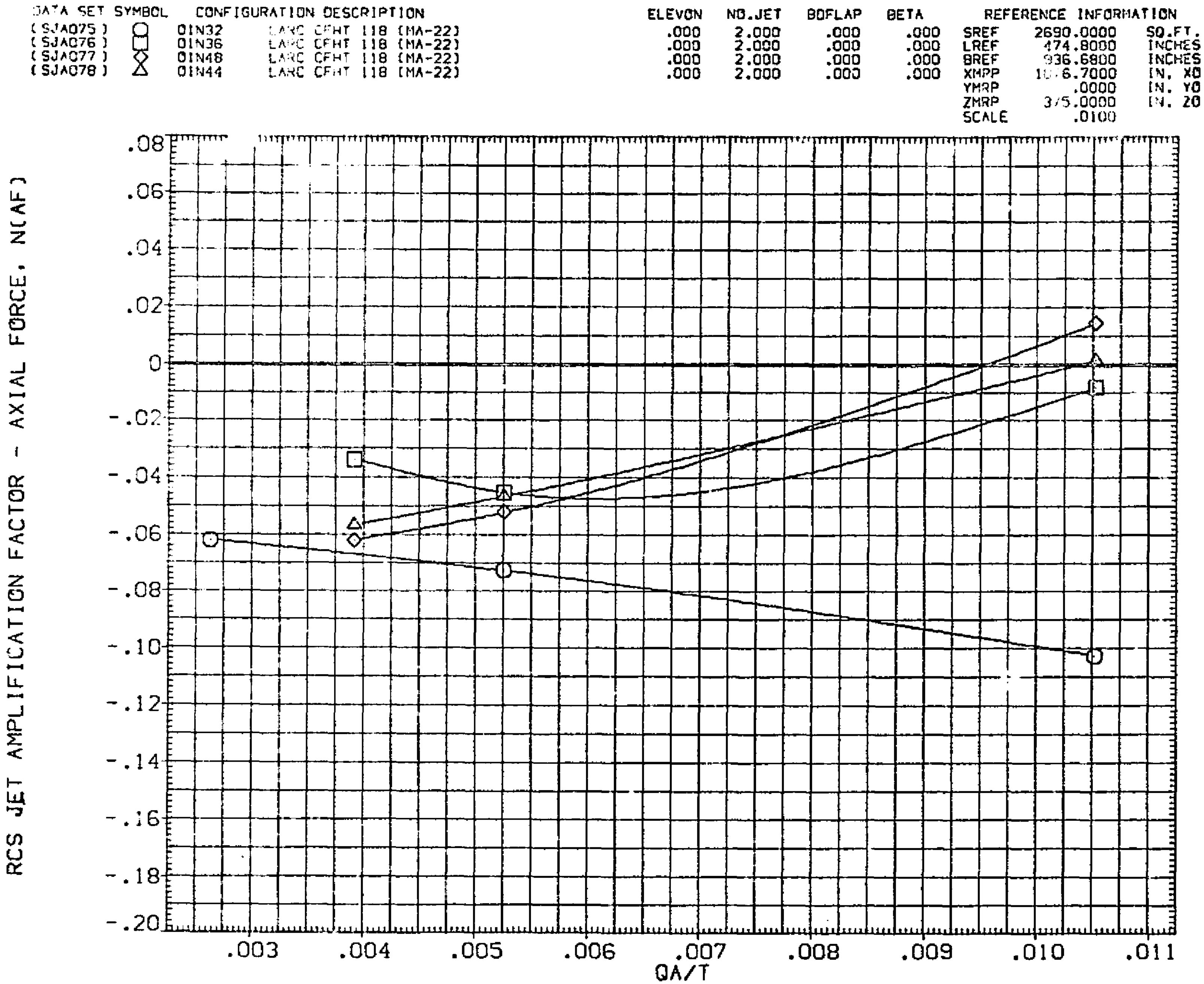

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS
(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

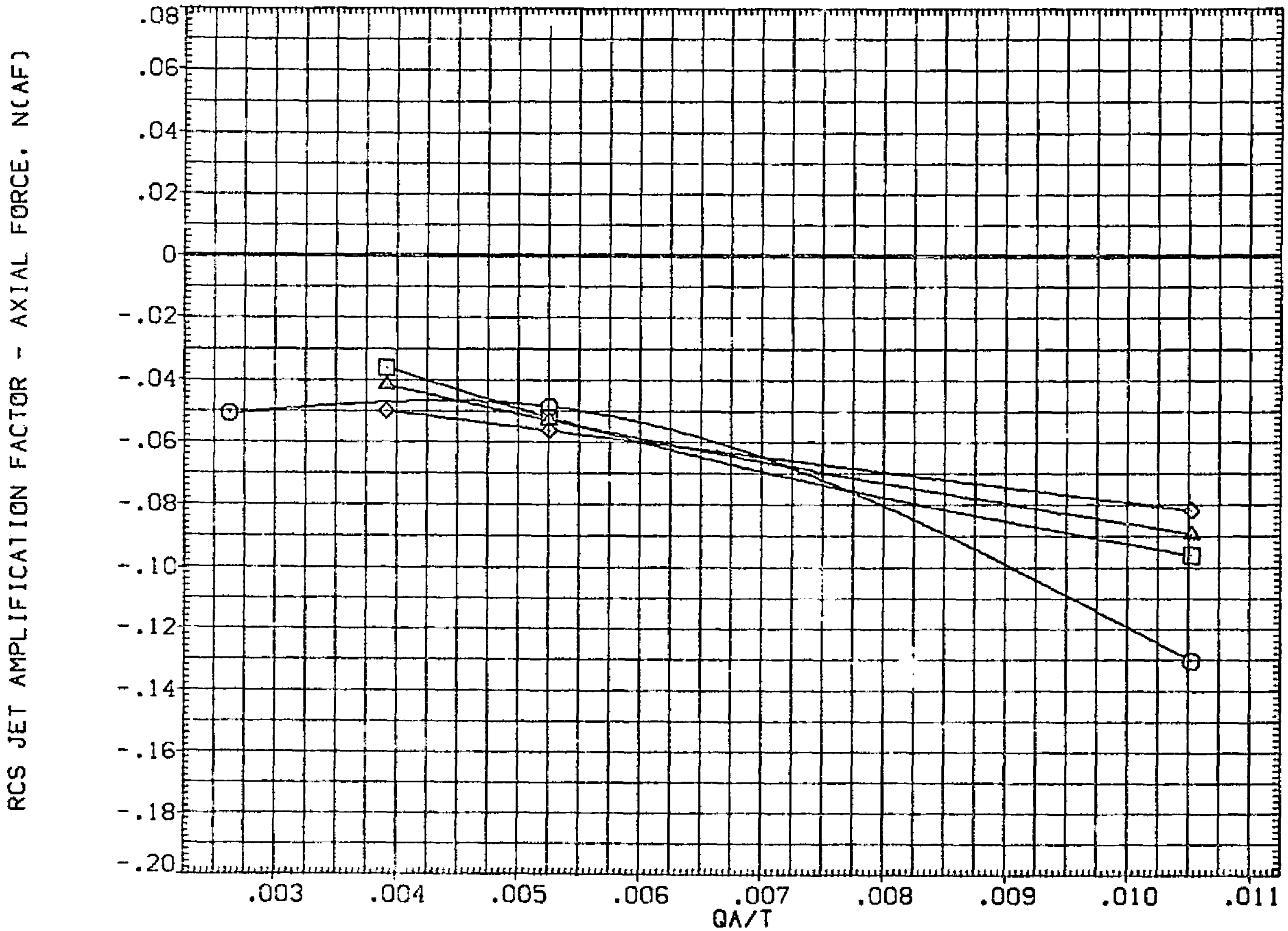

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(E)ALPHA = .00

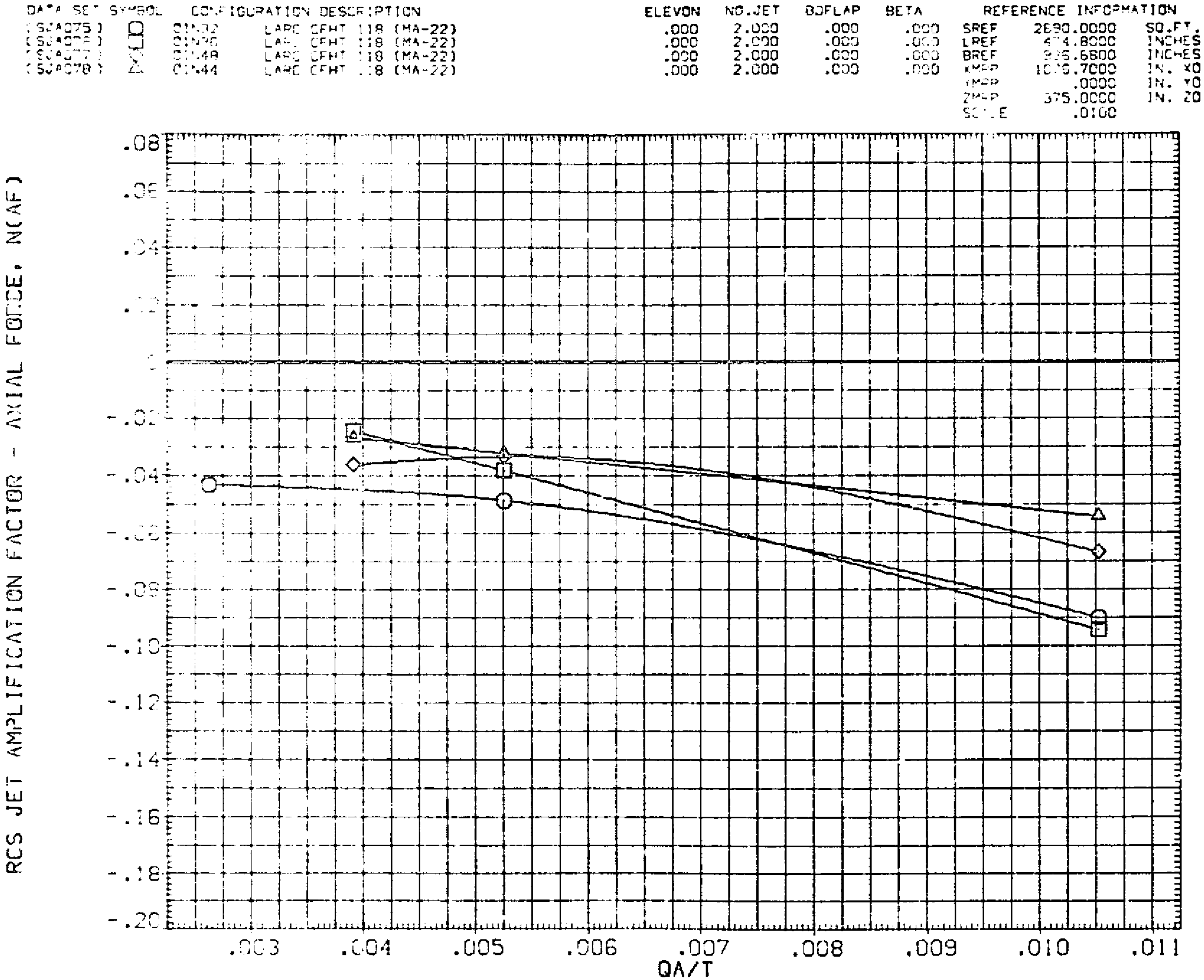

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

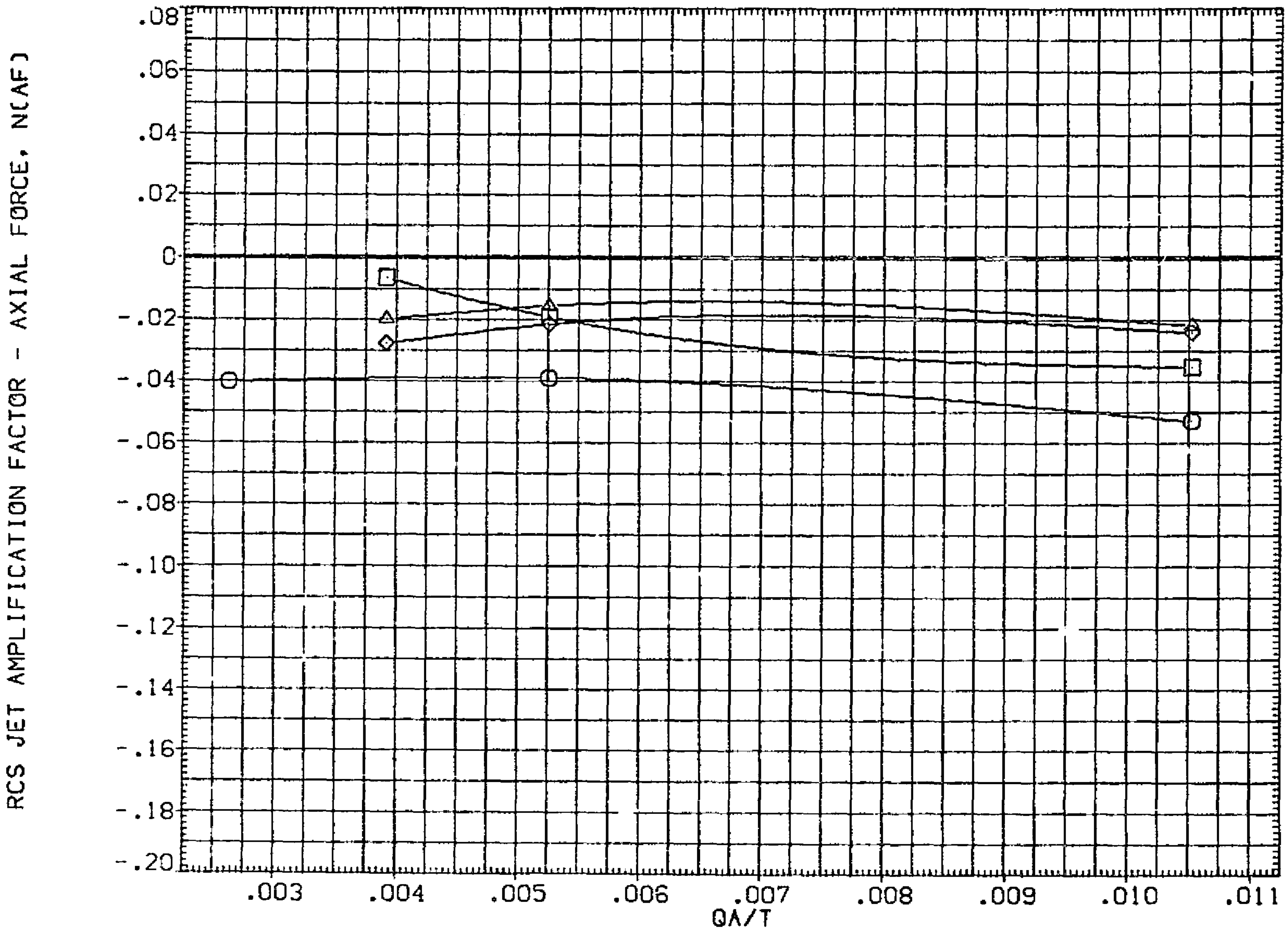

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N26	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N19	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

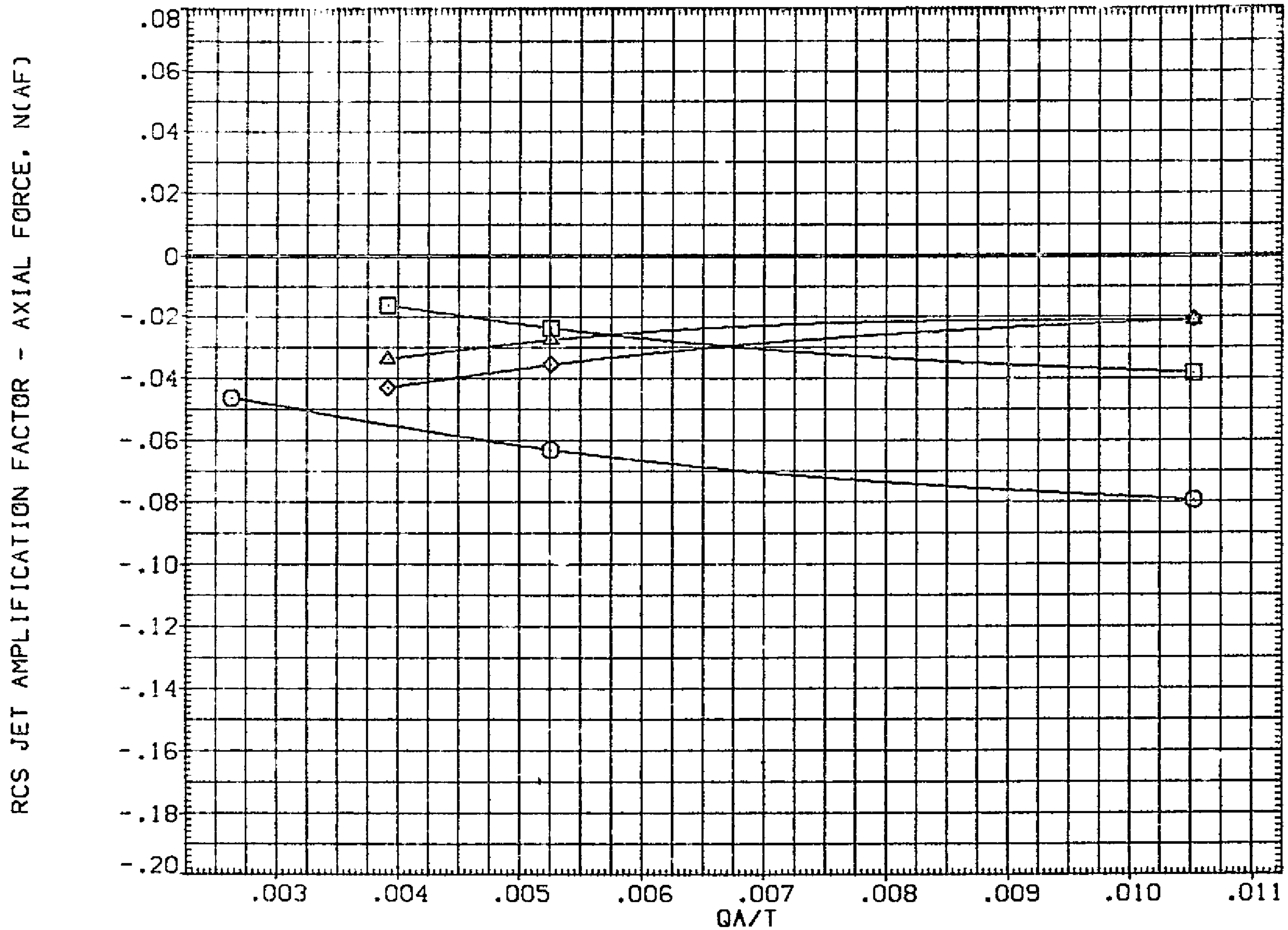

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

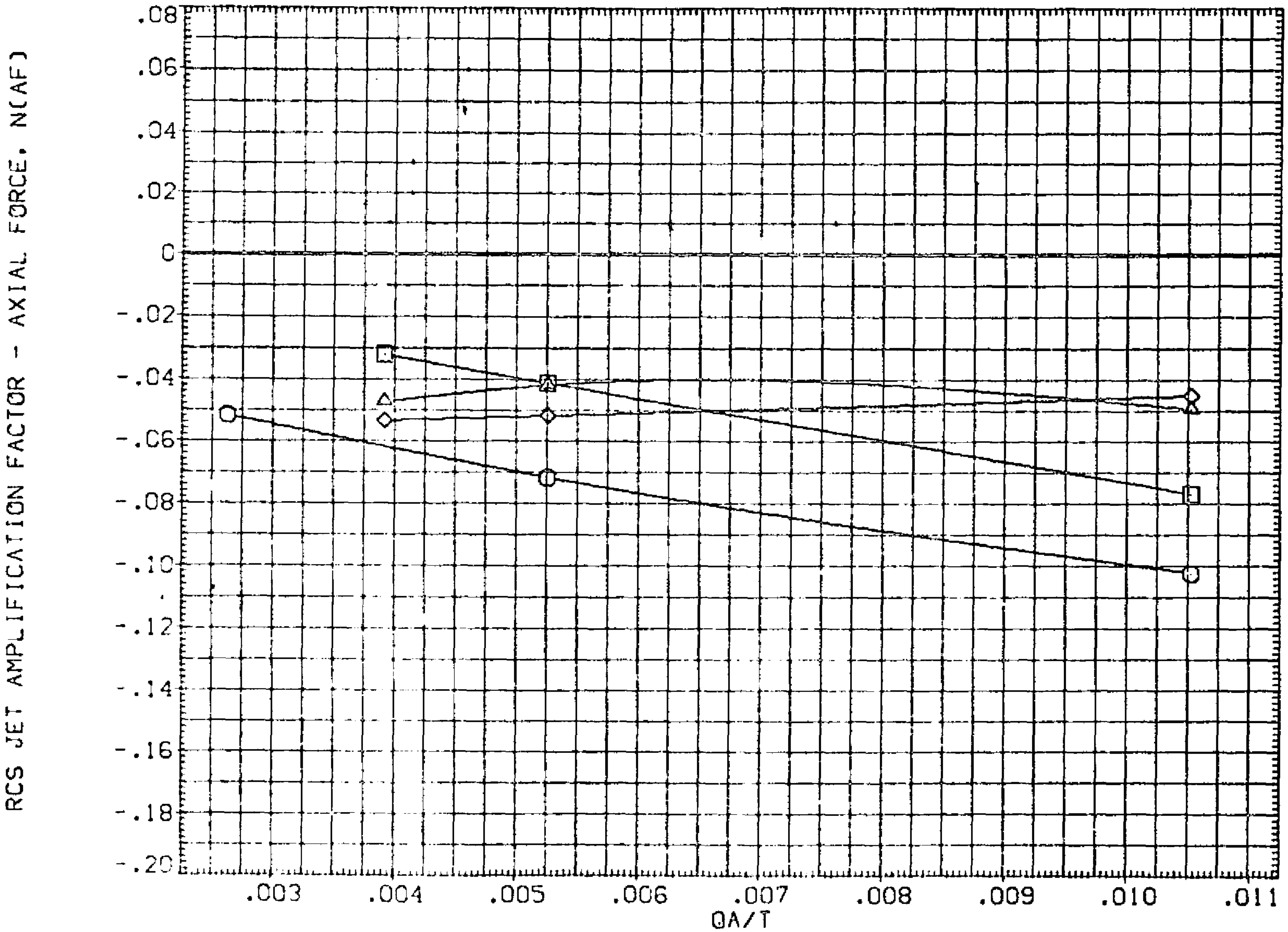

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(I)ALPHA = 8.00

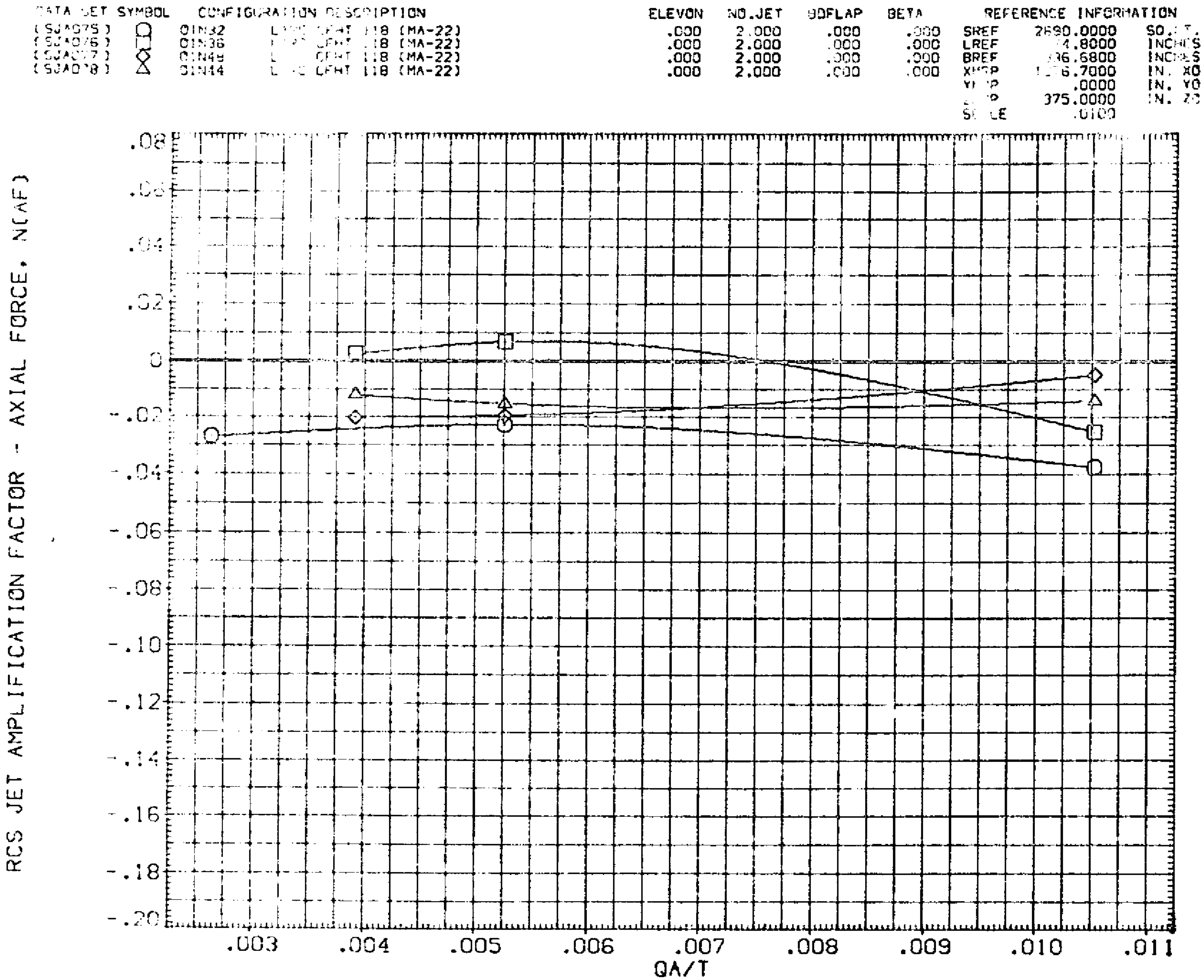

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

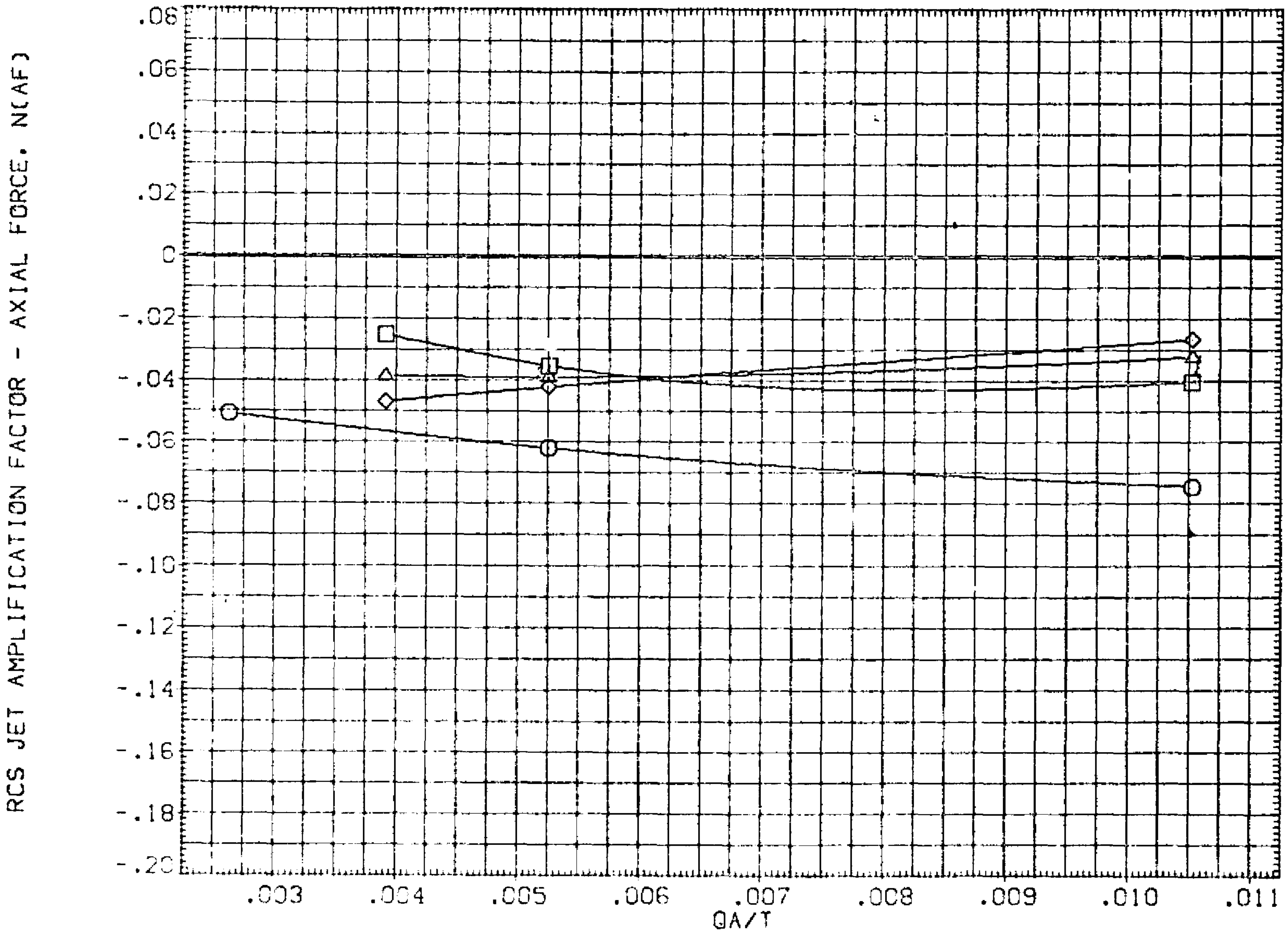

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

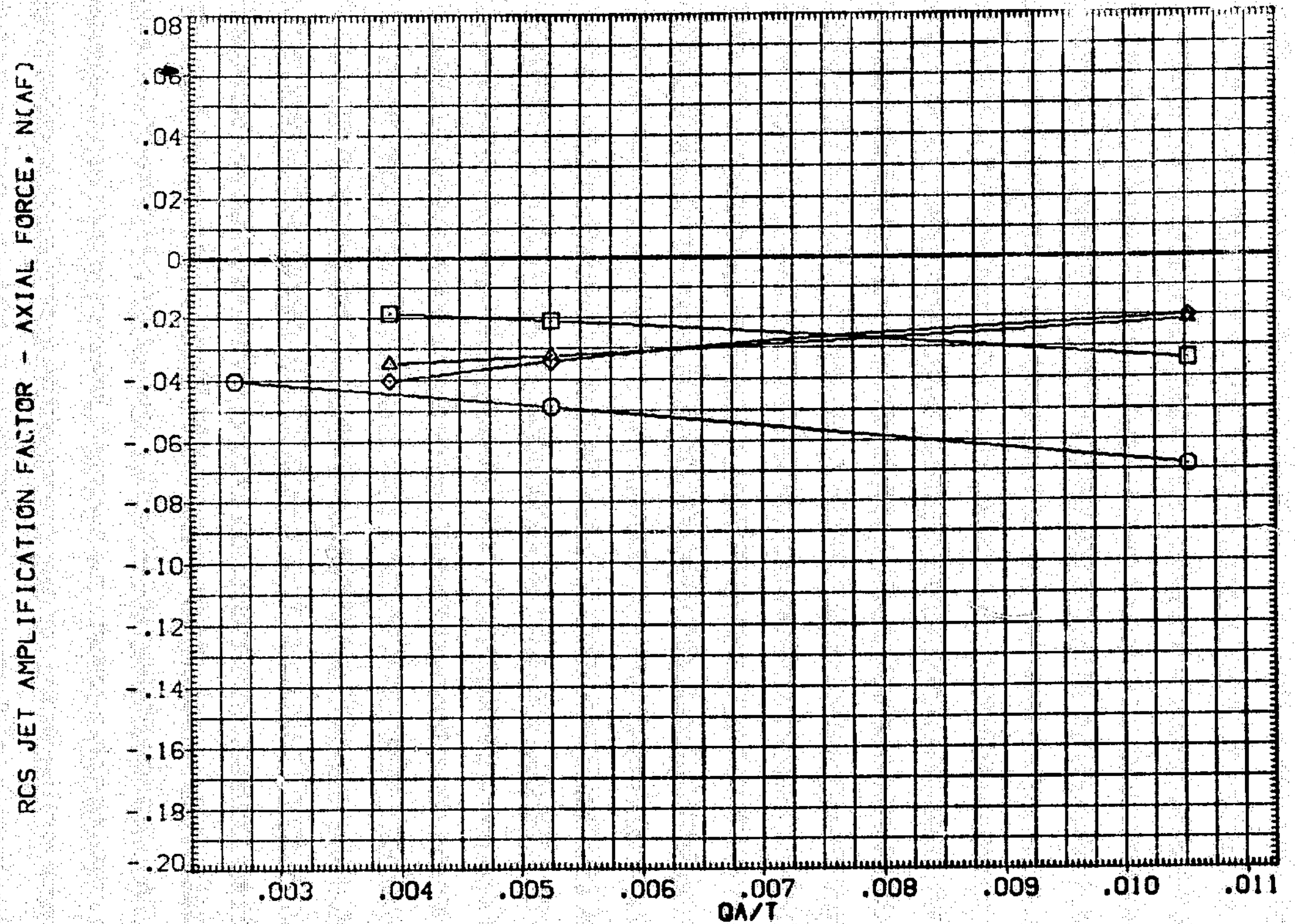

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

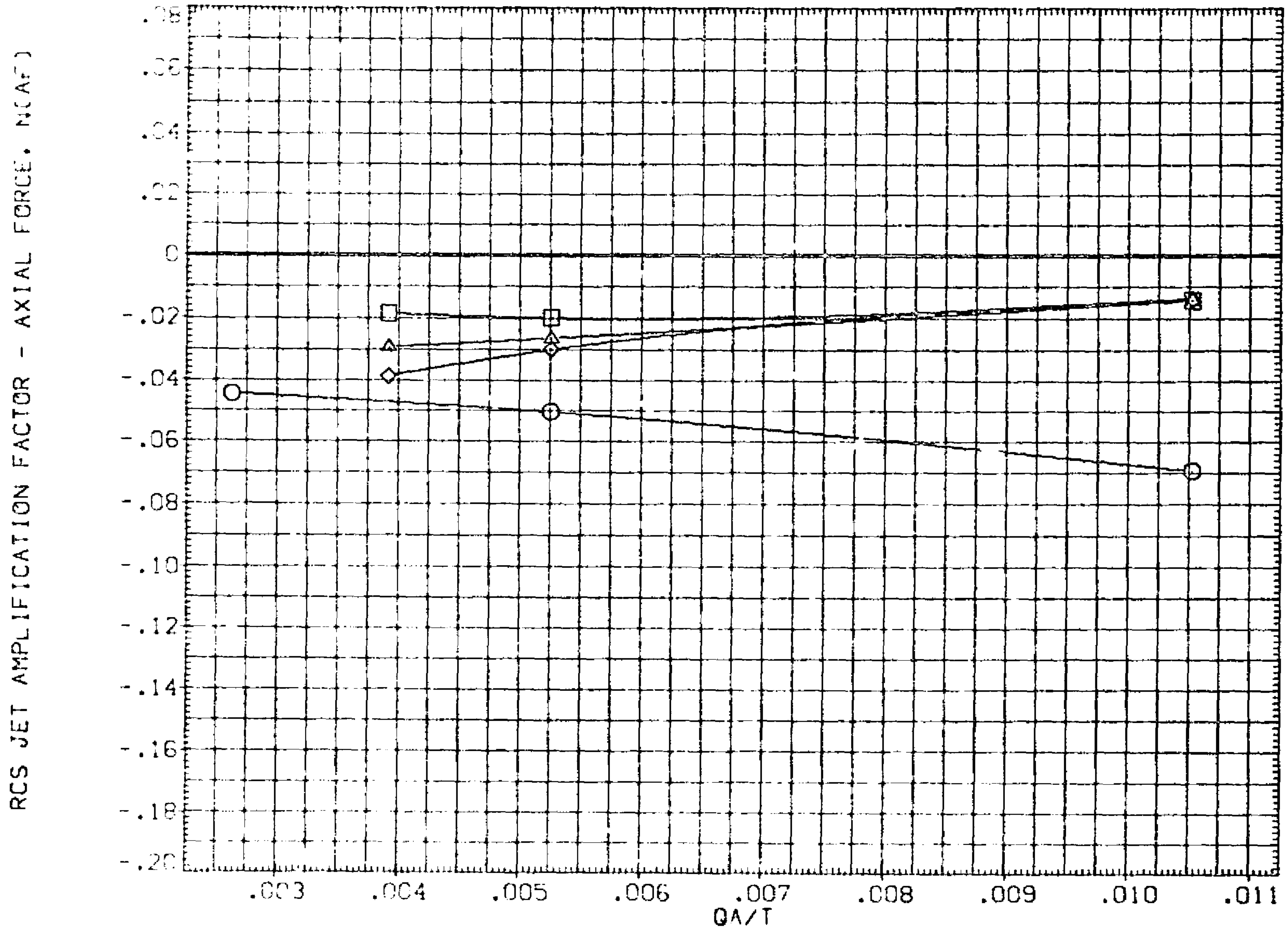

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	0:N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	0:N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	0:N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	0:N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

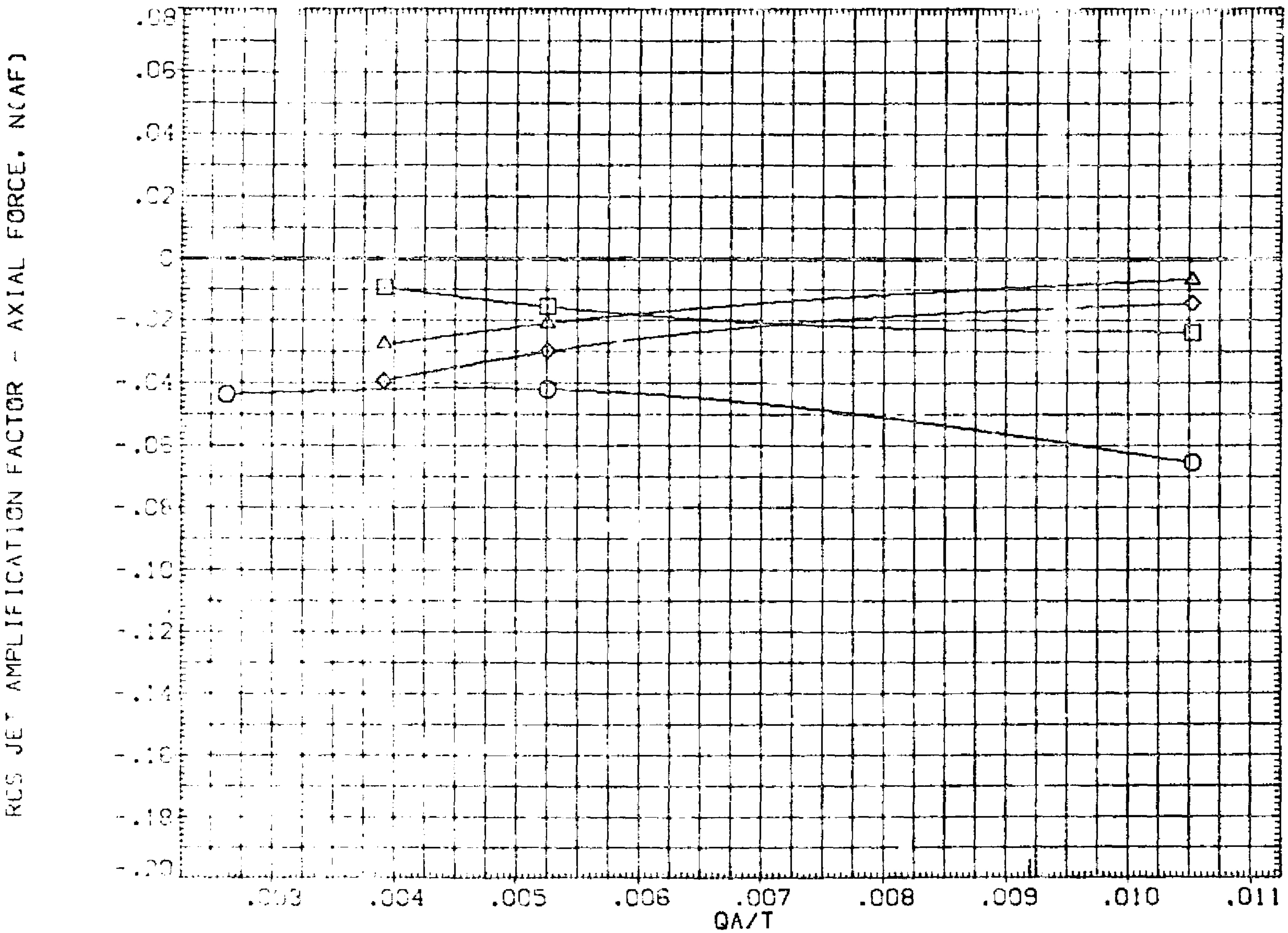

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(N)ALPHA = 30.00

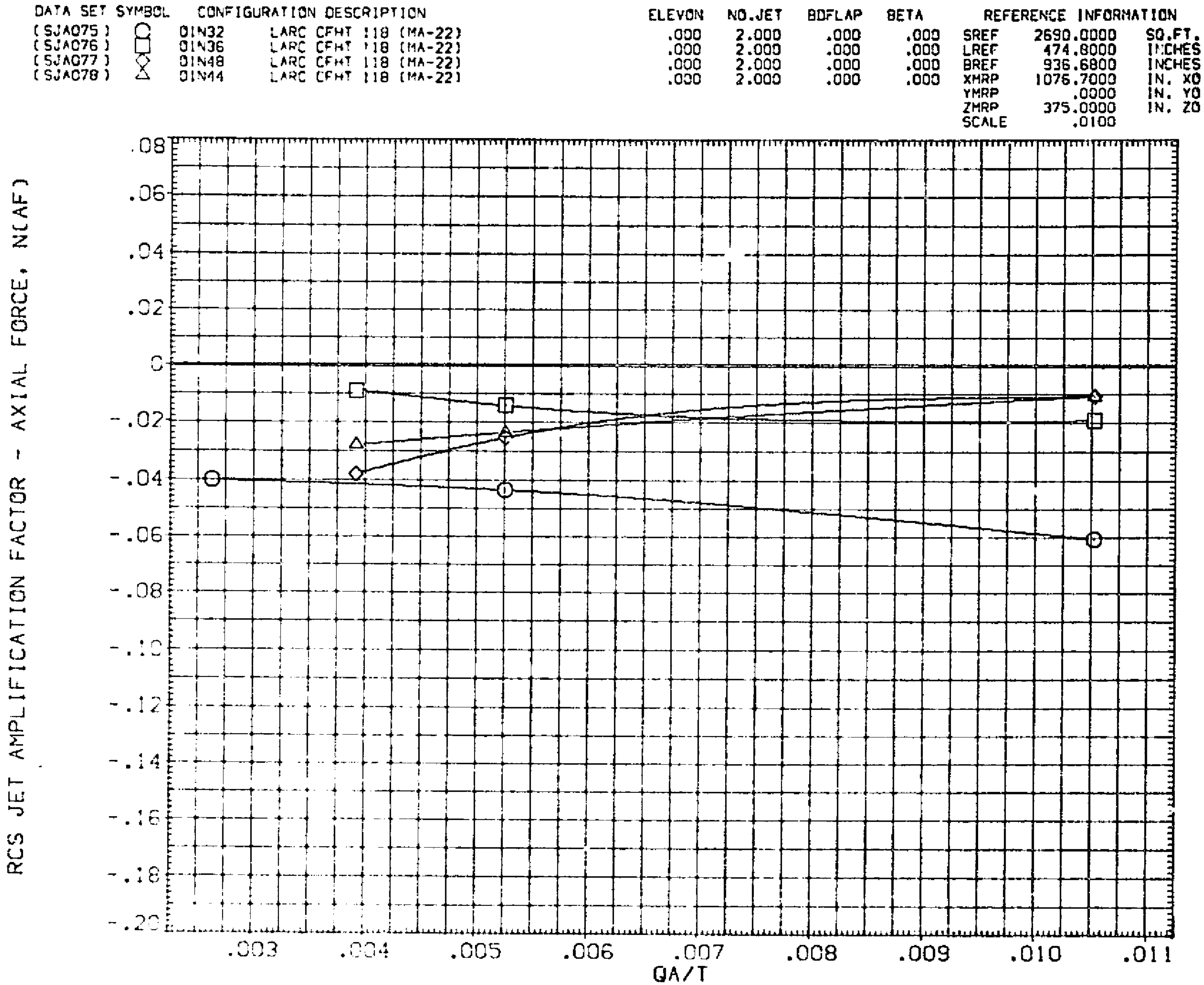

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(C)ALPHA = 35.00

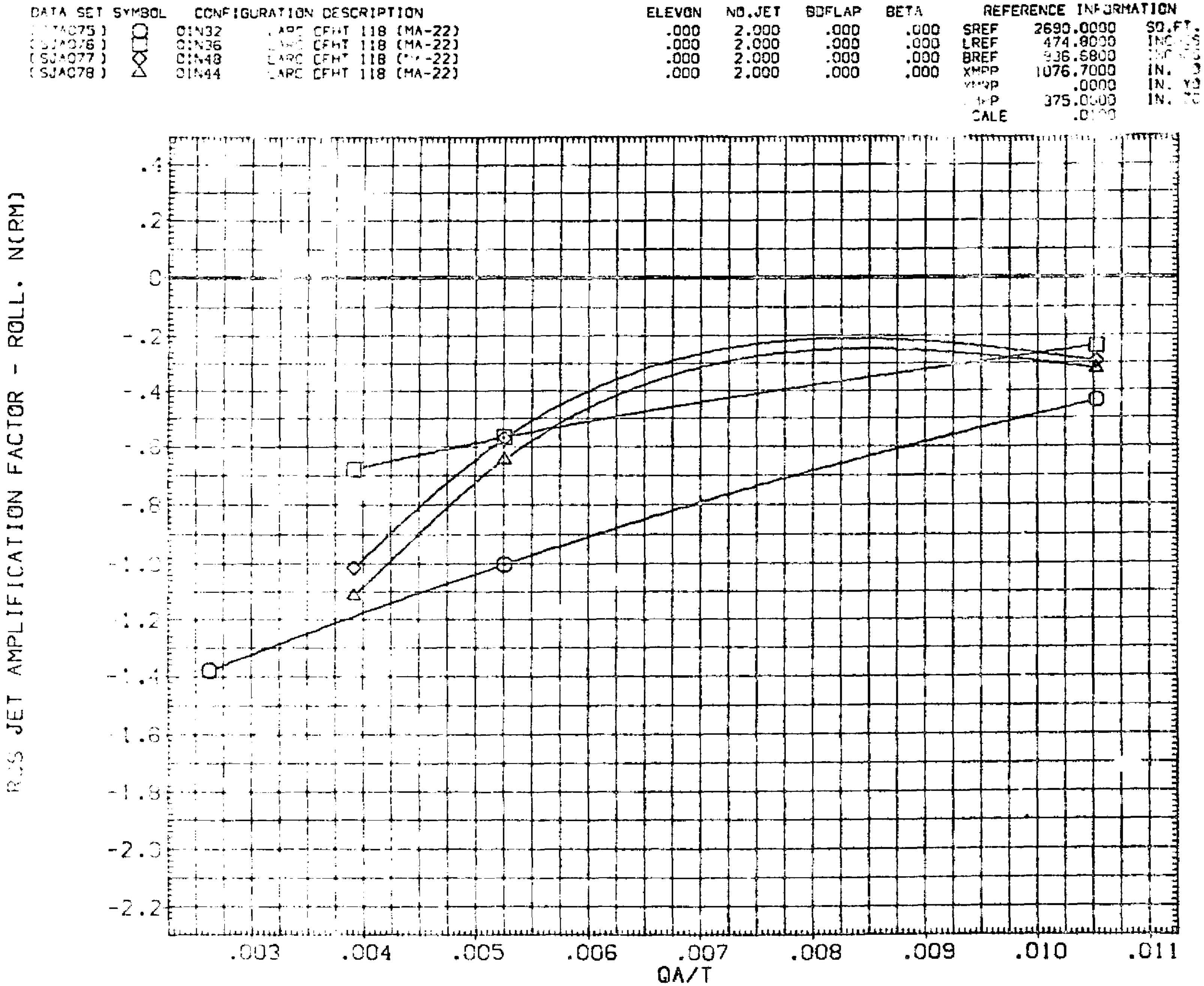

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

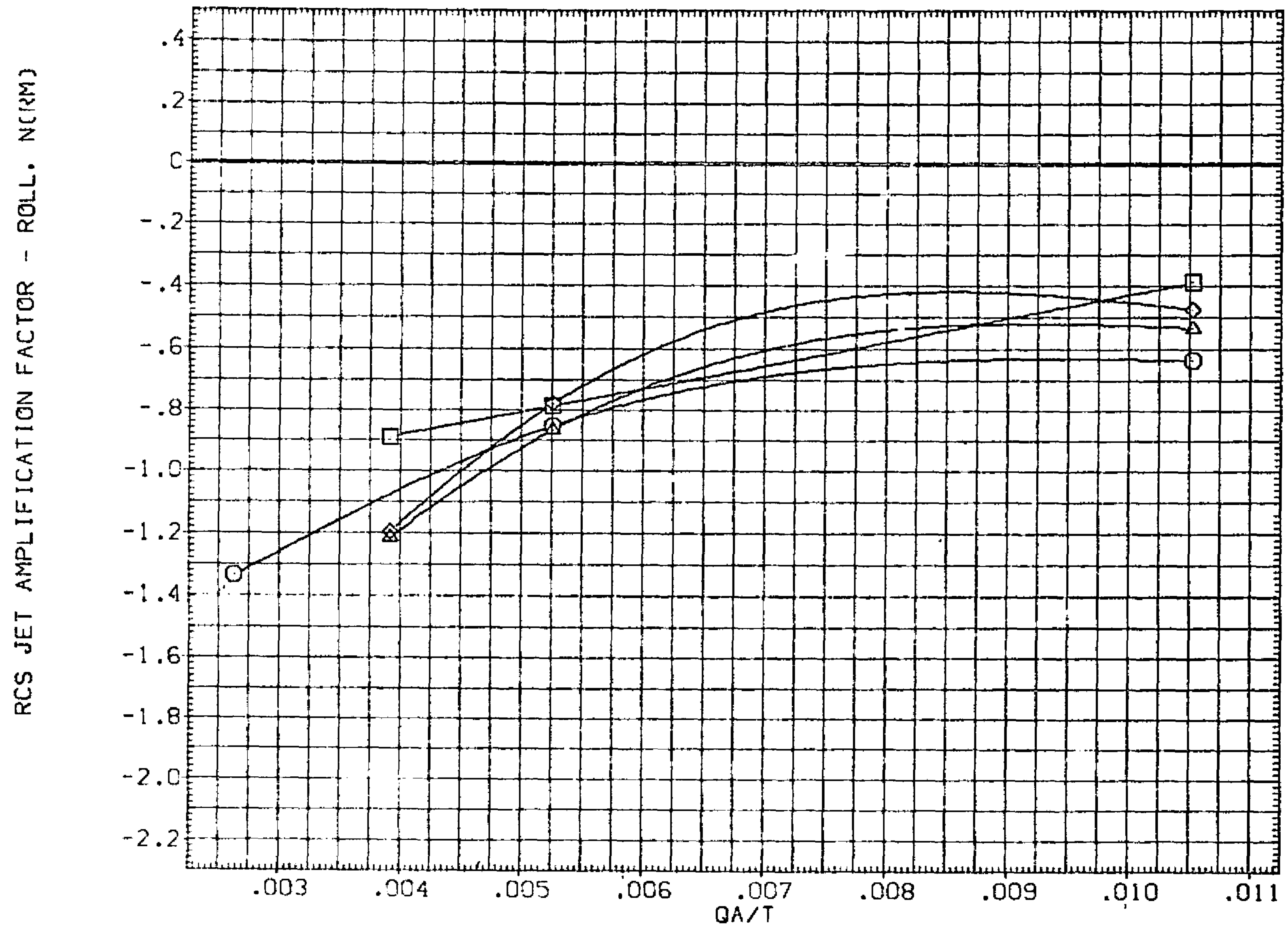

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.000	IN. Z0
SCALE	.010	

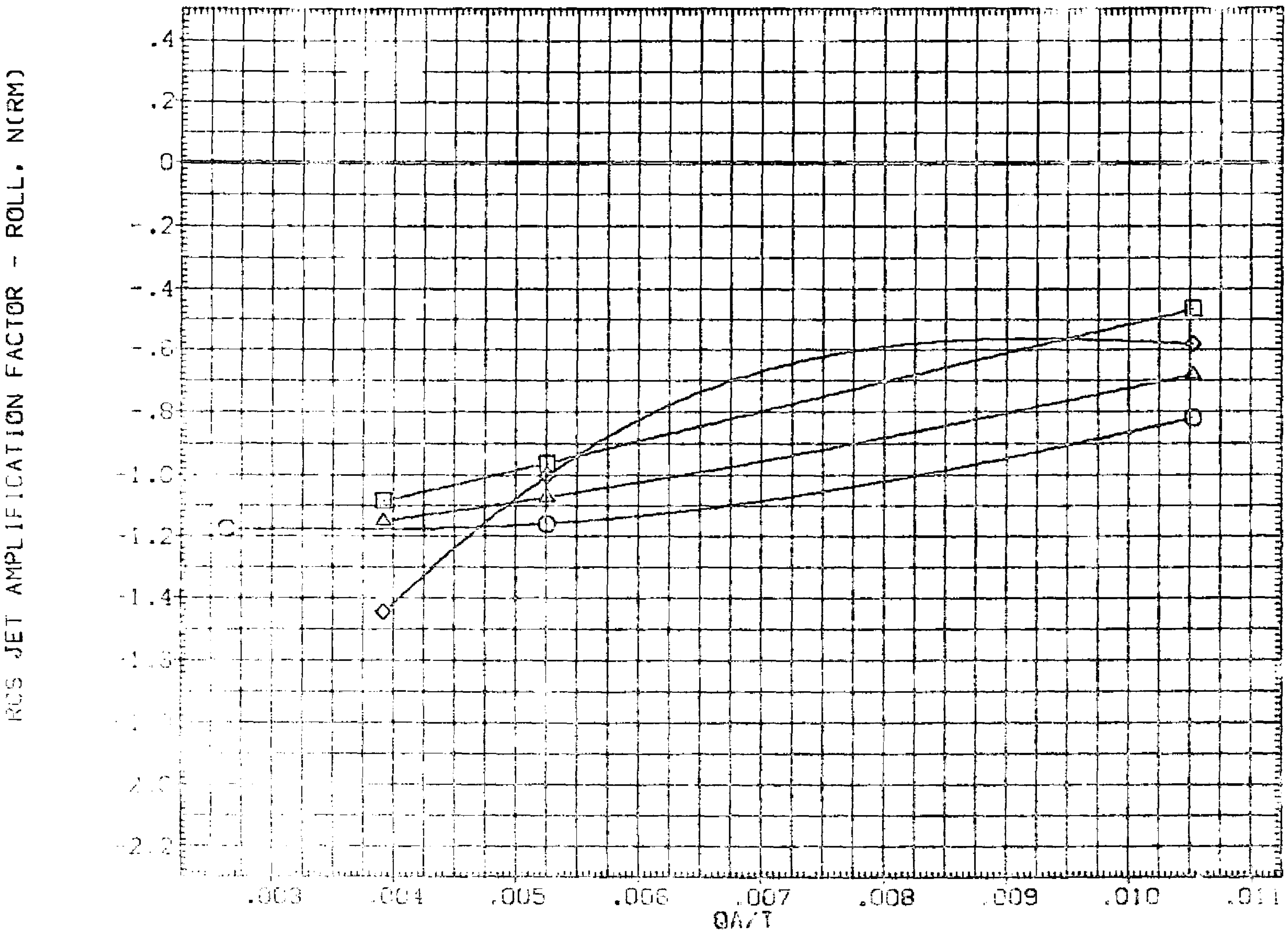

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(C)ALPHA = -4.00

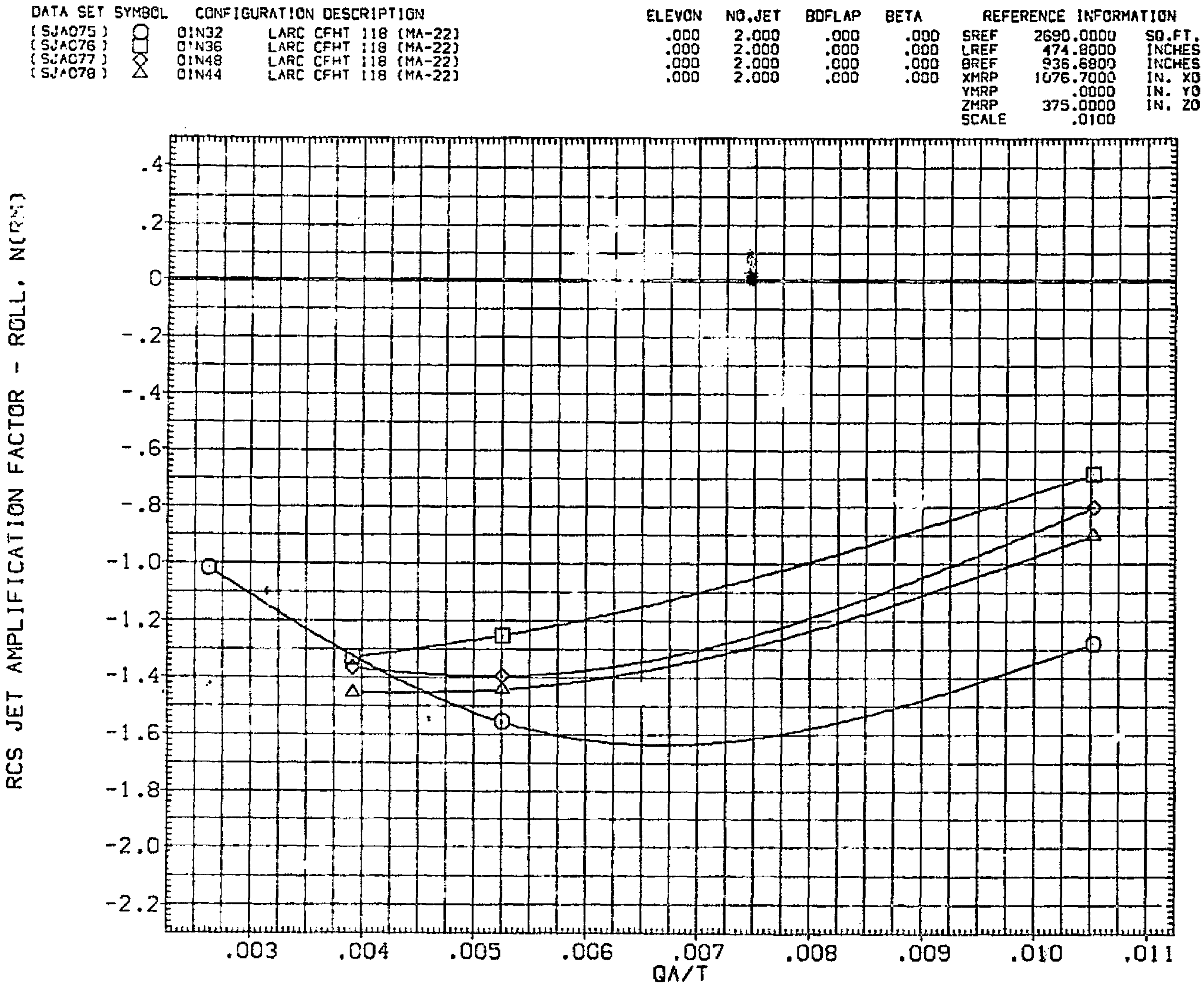

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

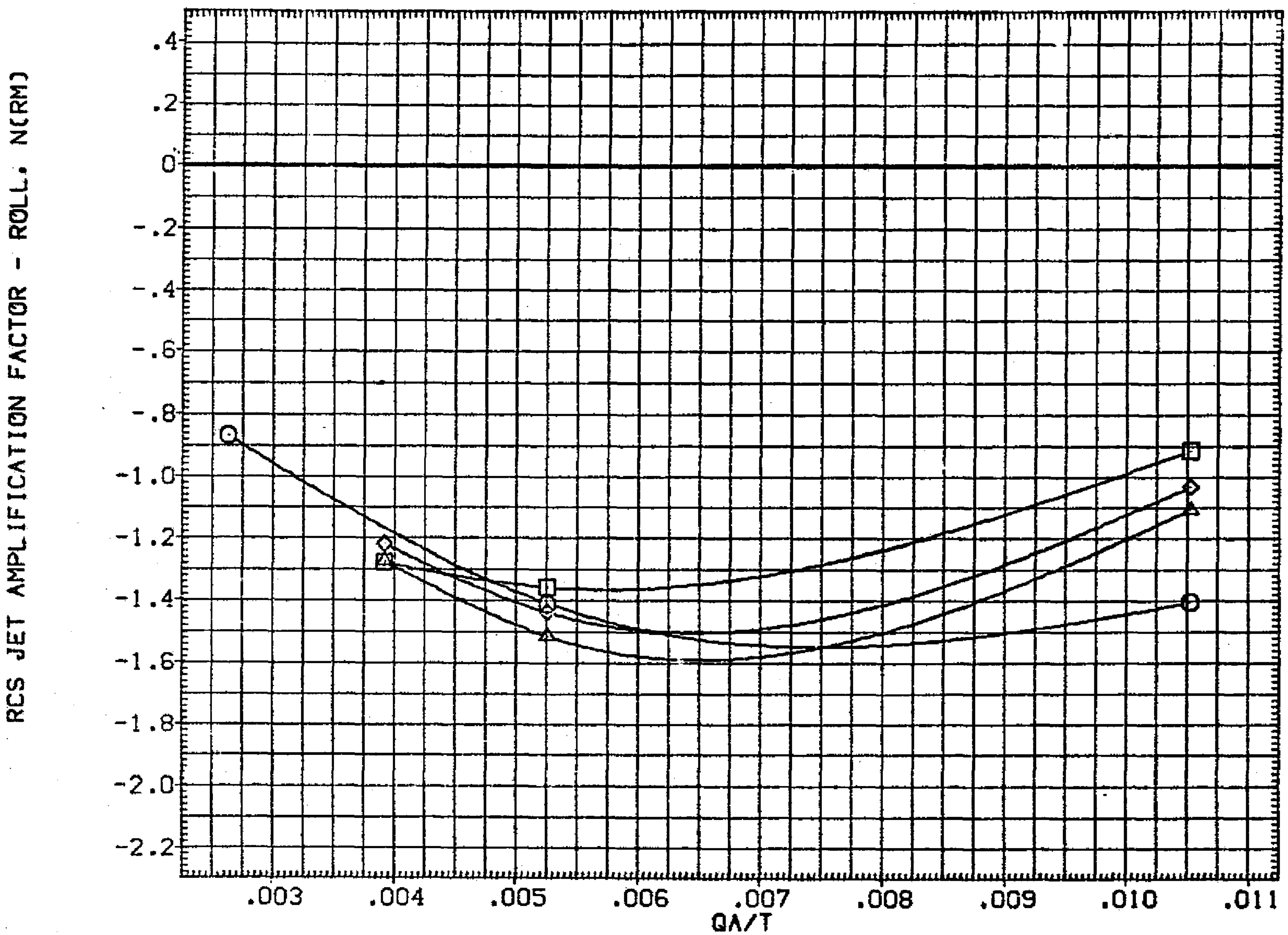

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N[illegible]3	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

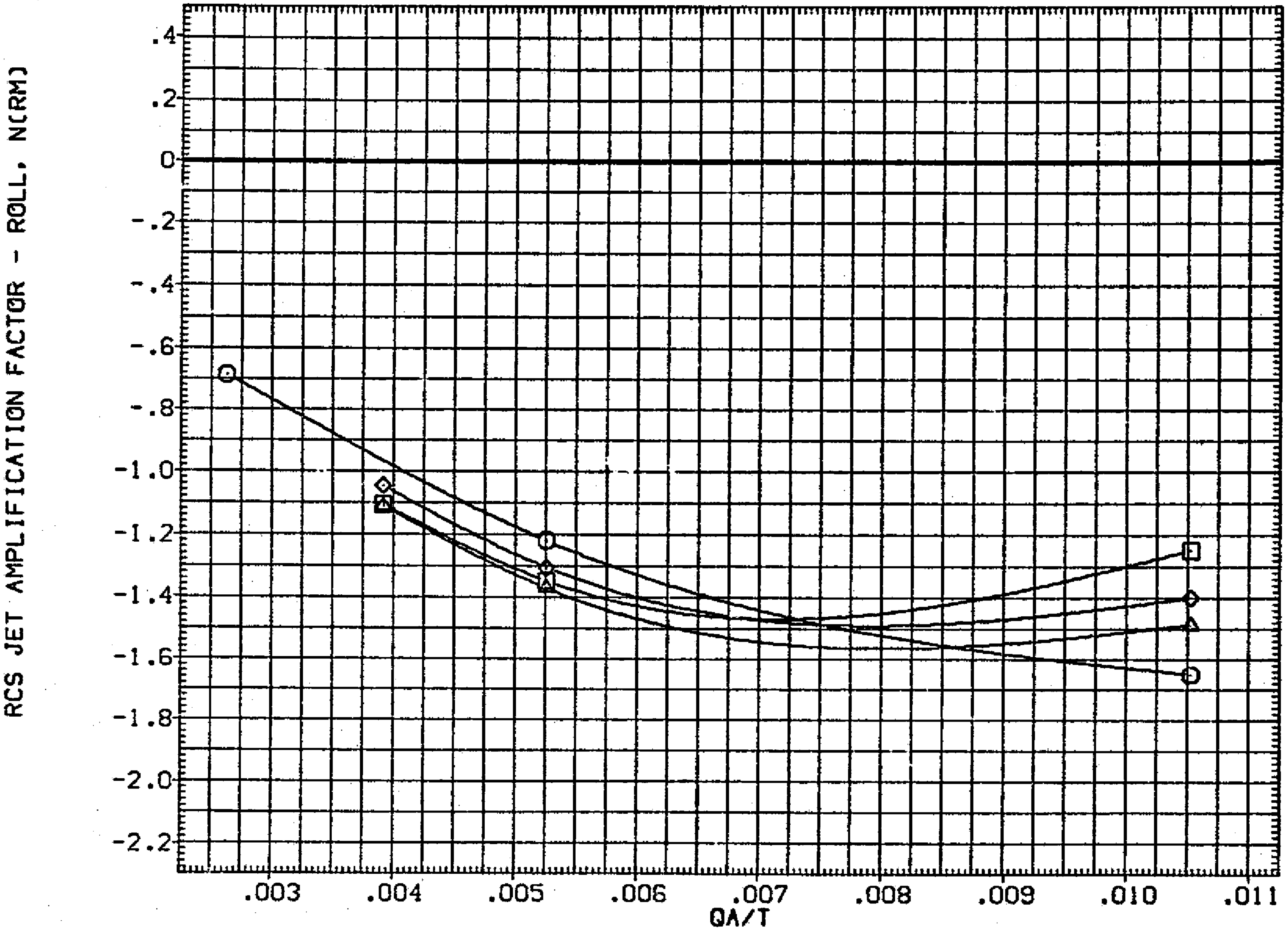

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

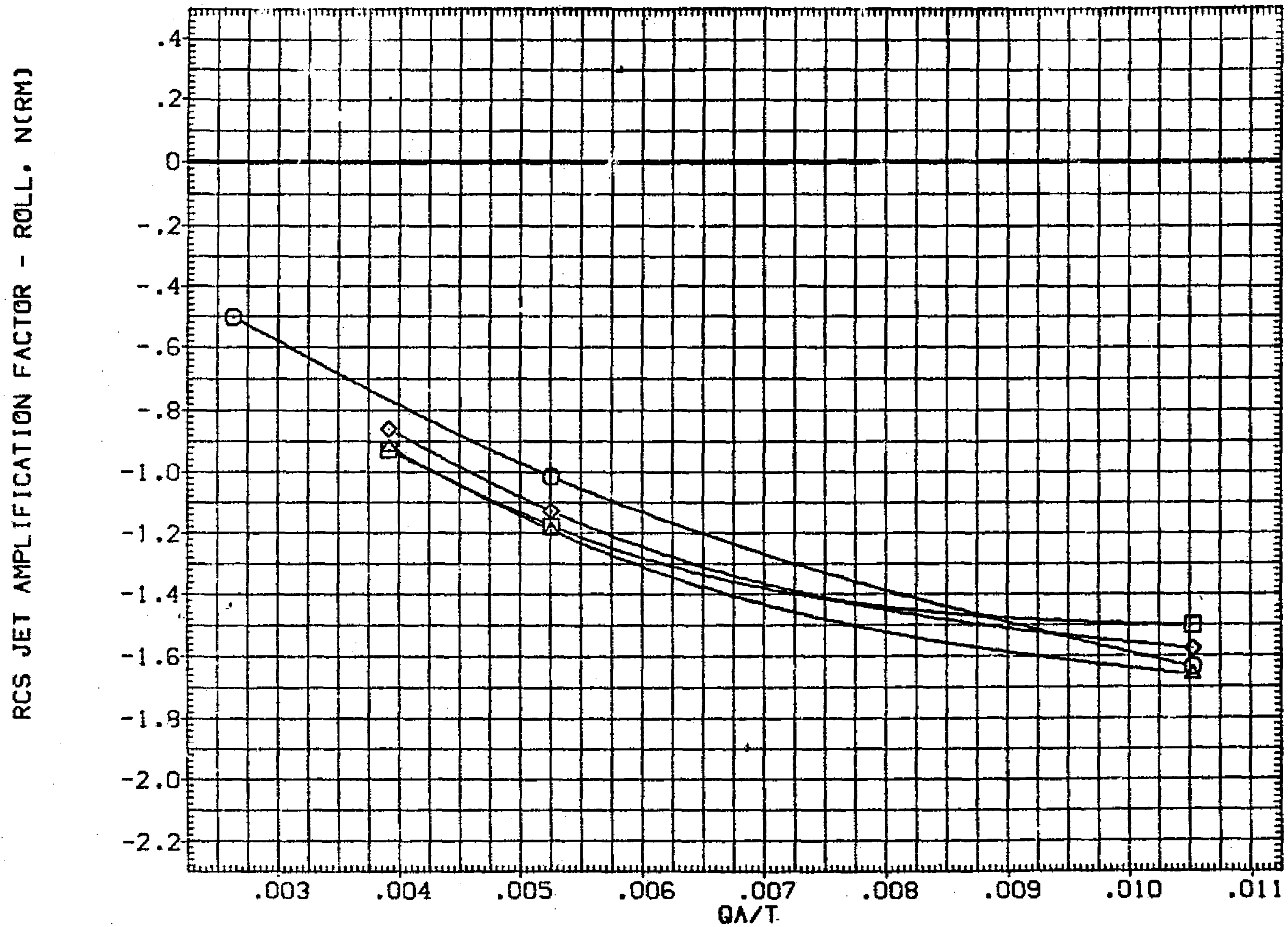

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

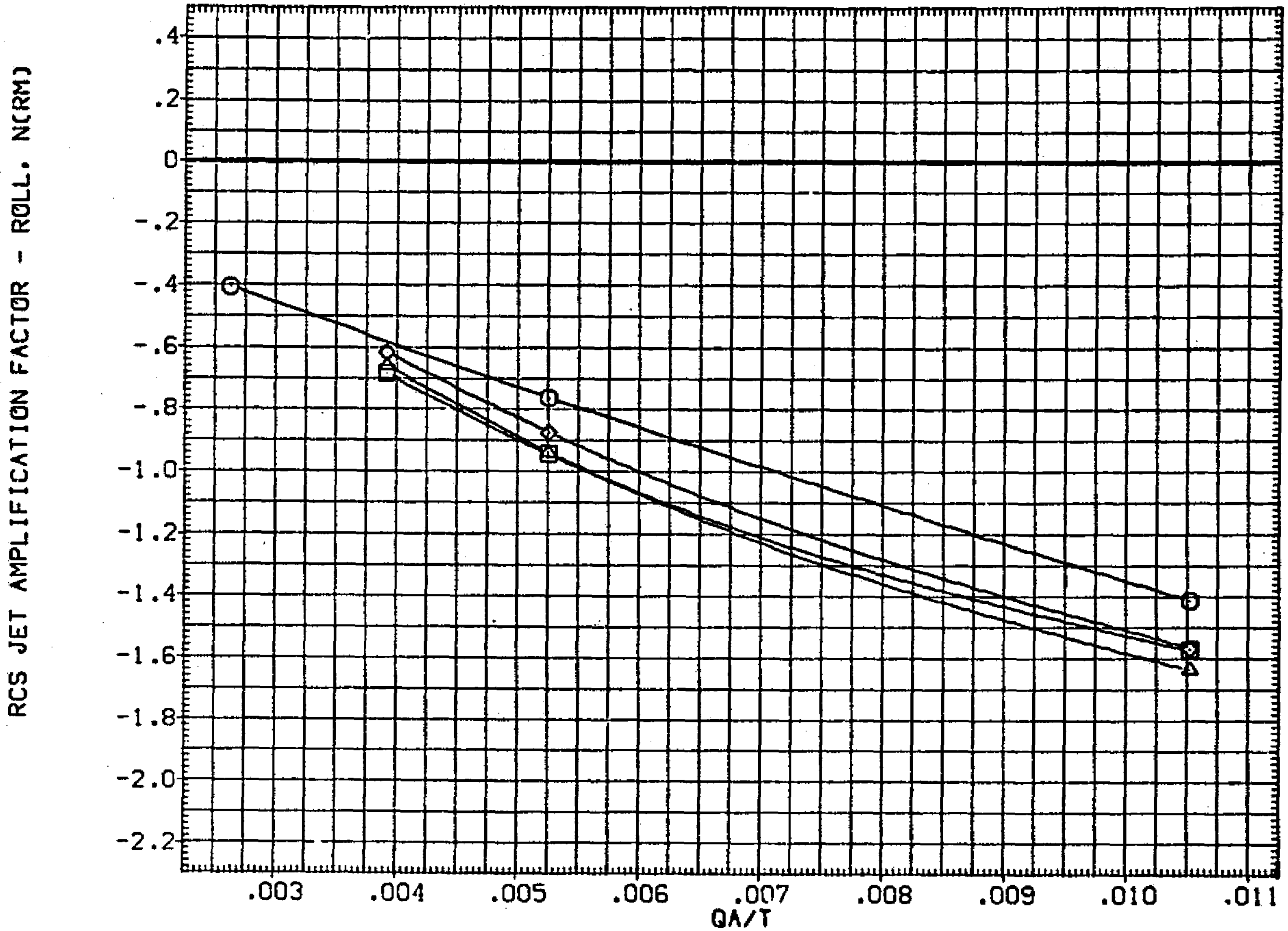

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

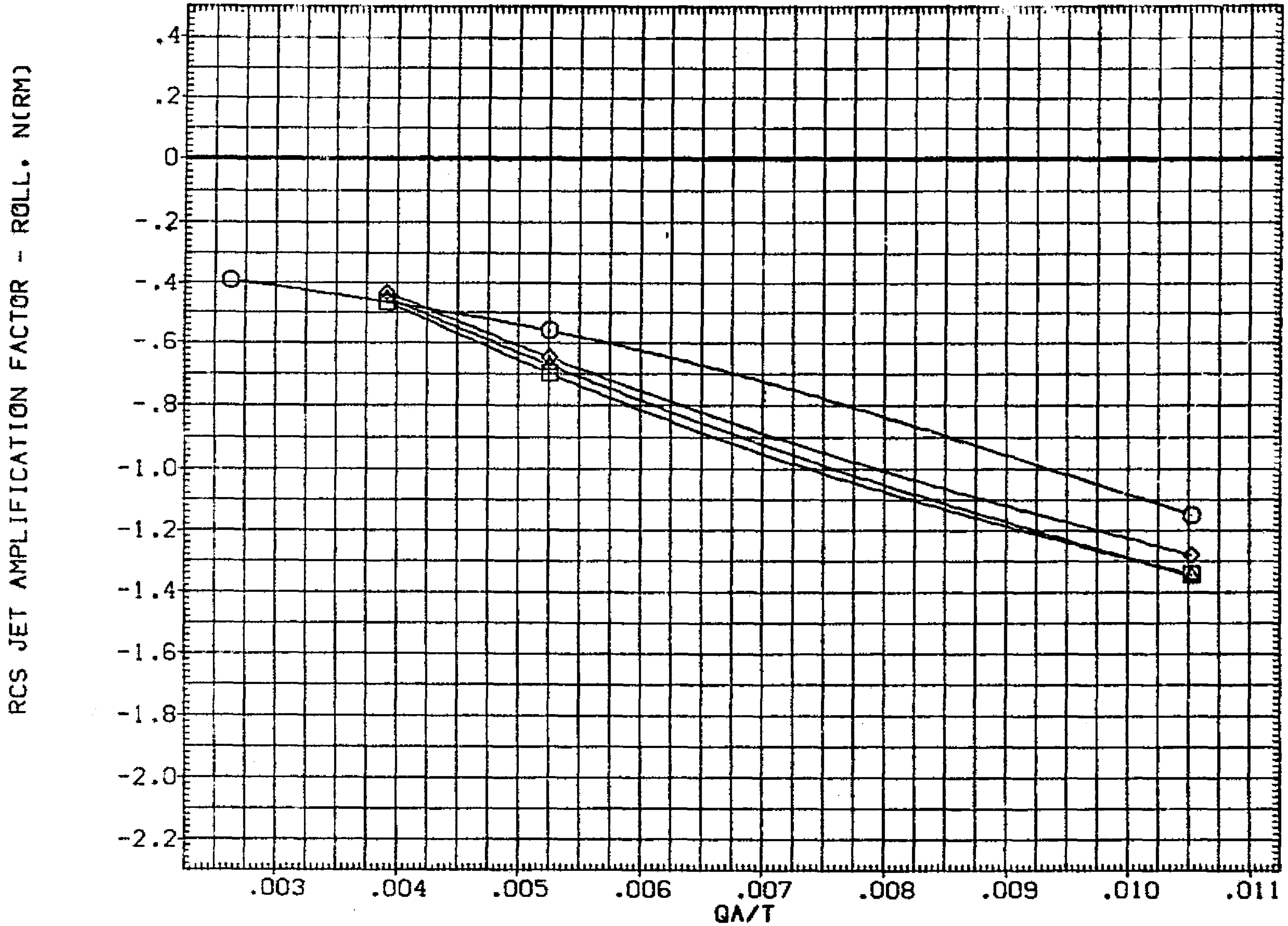

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

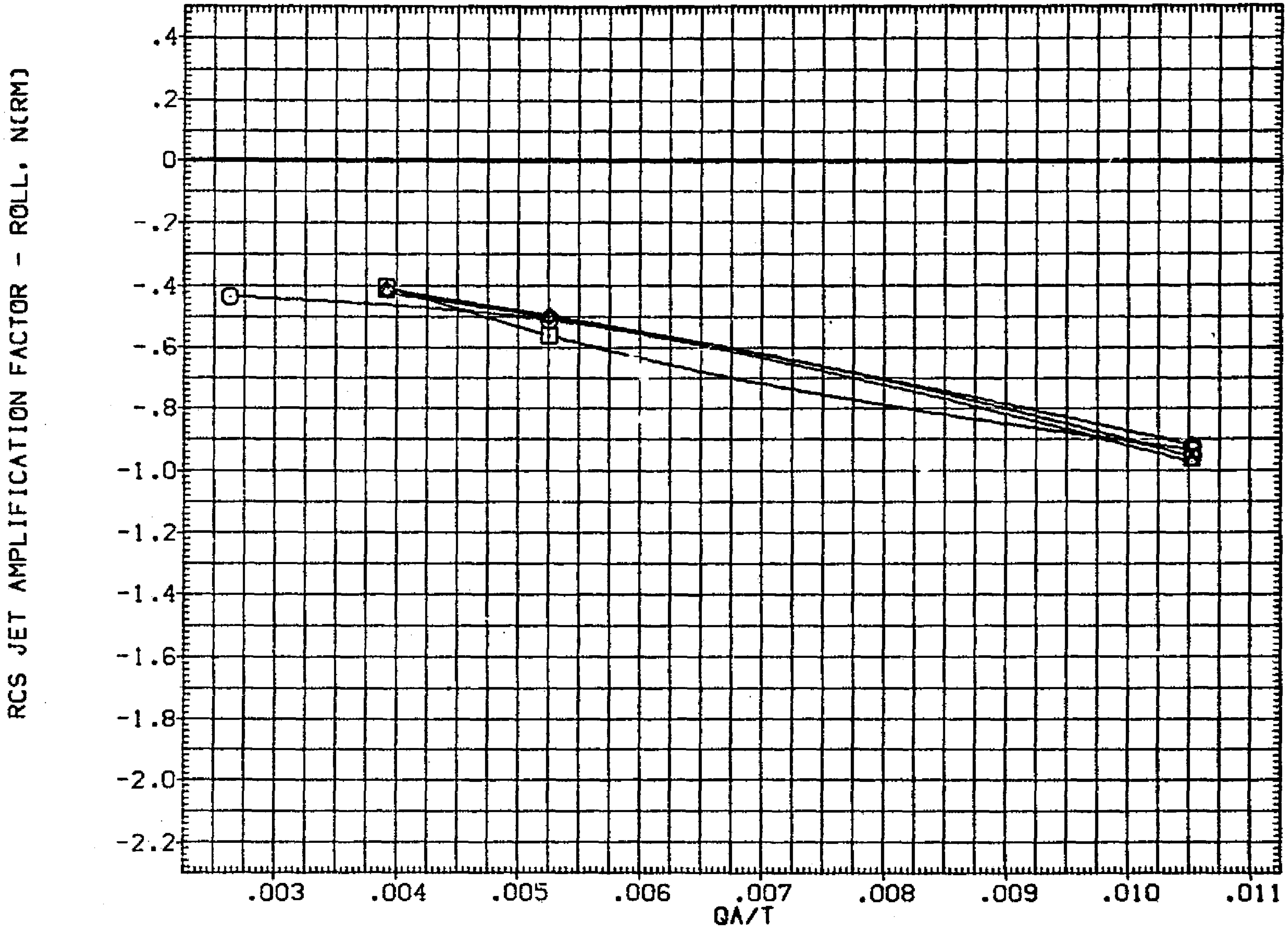

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

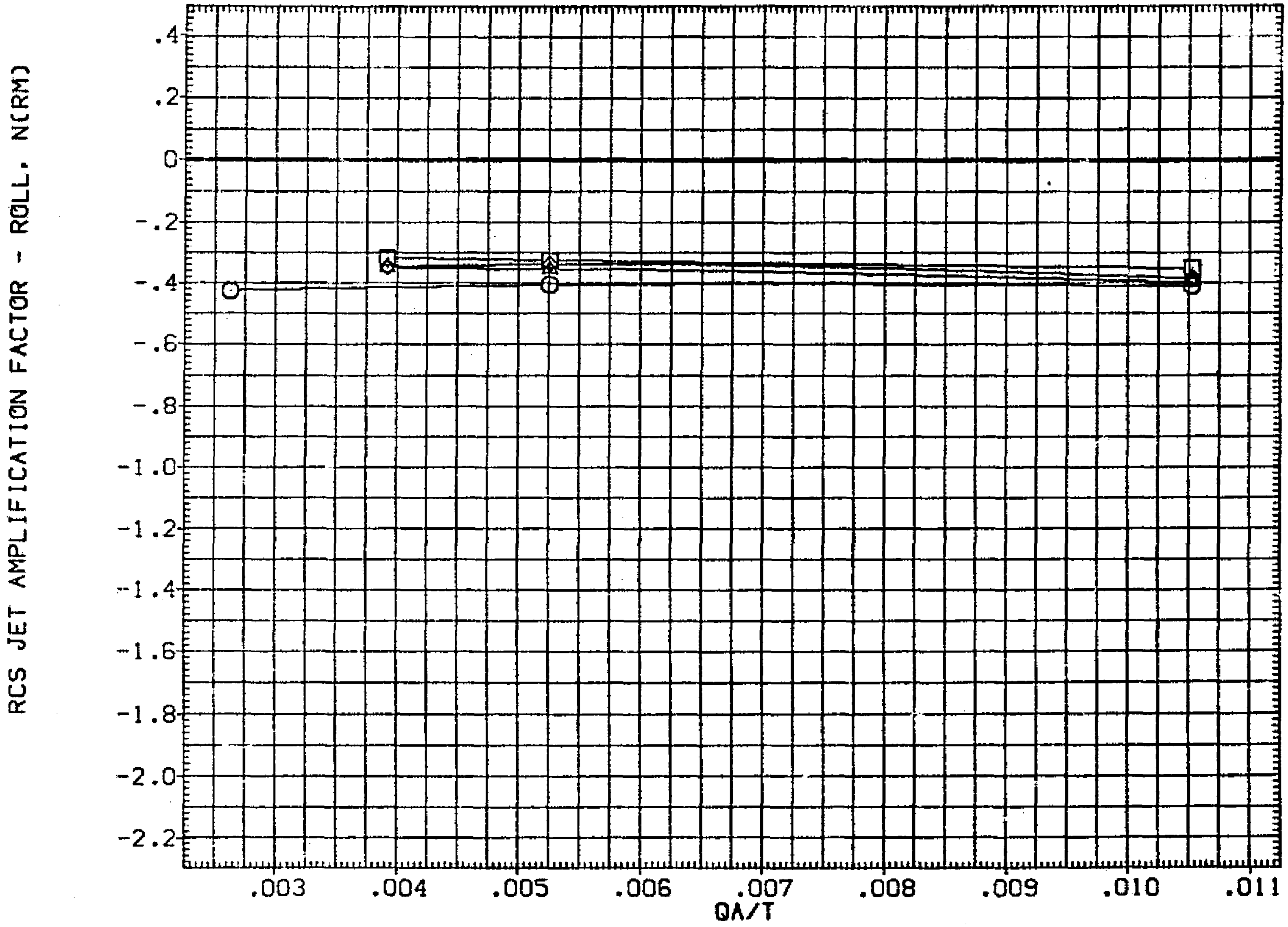

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

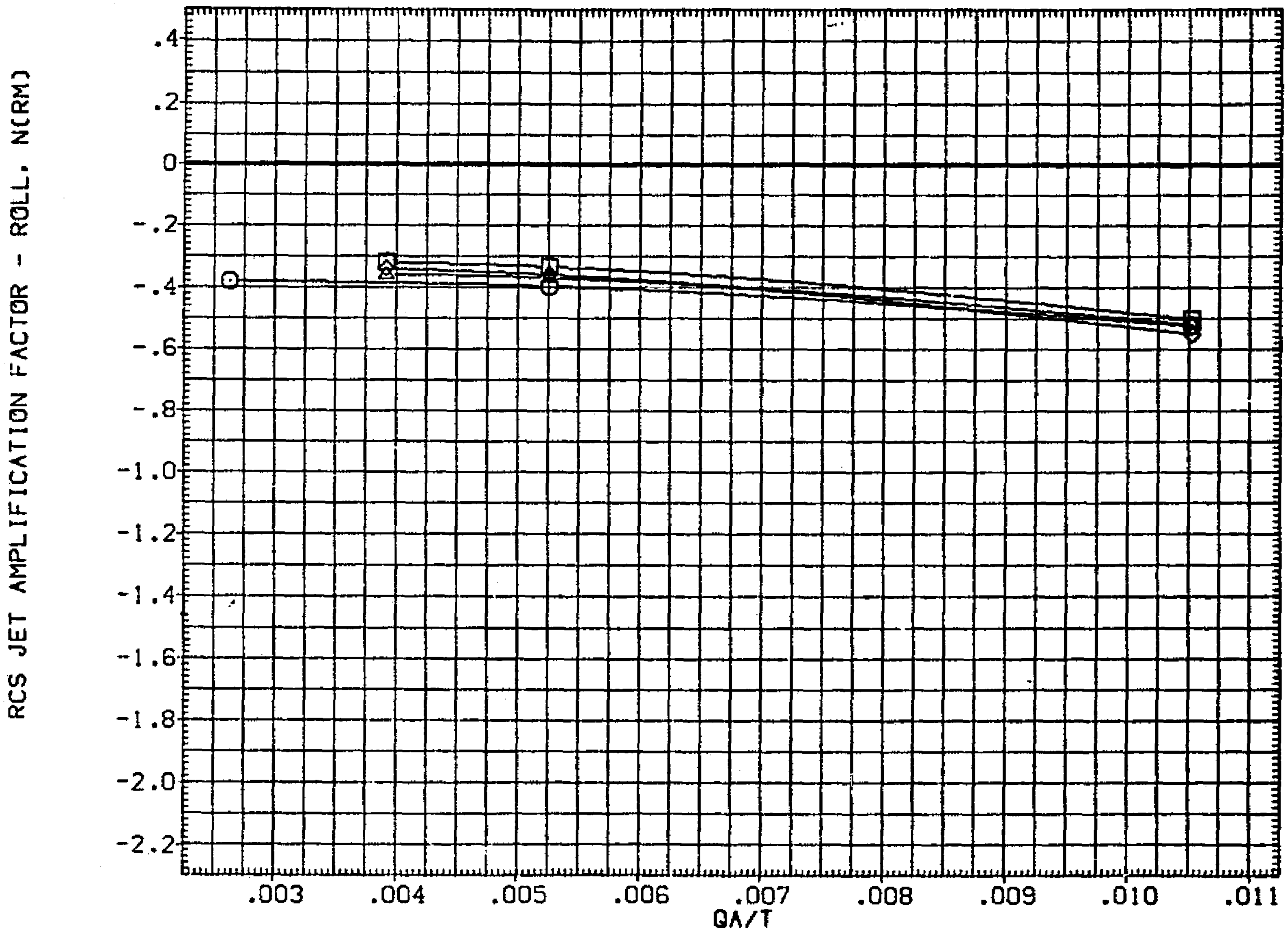

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

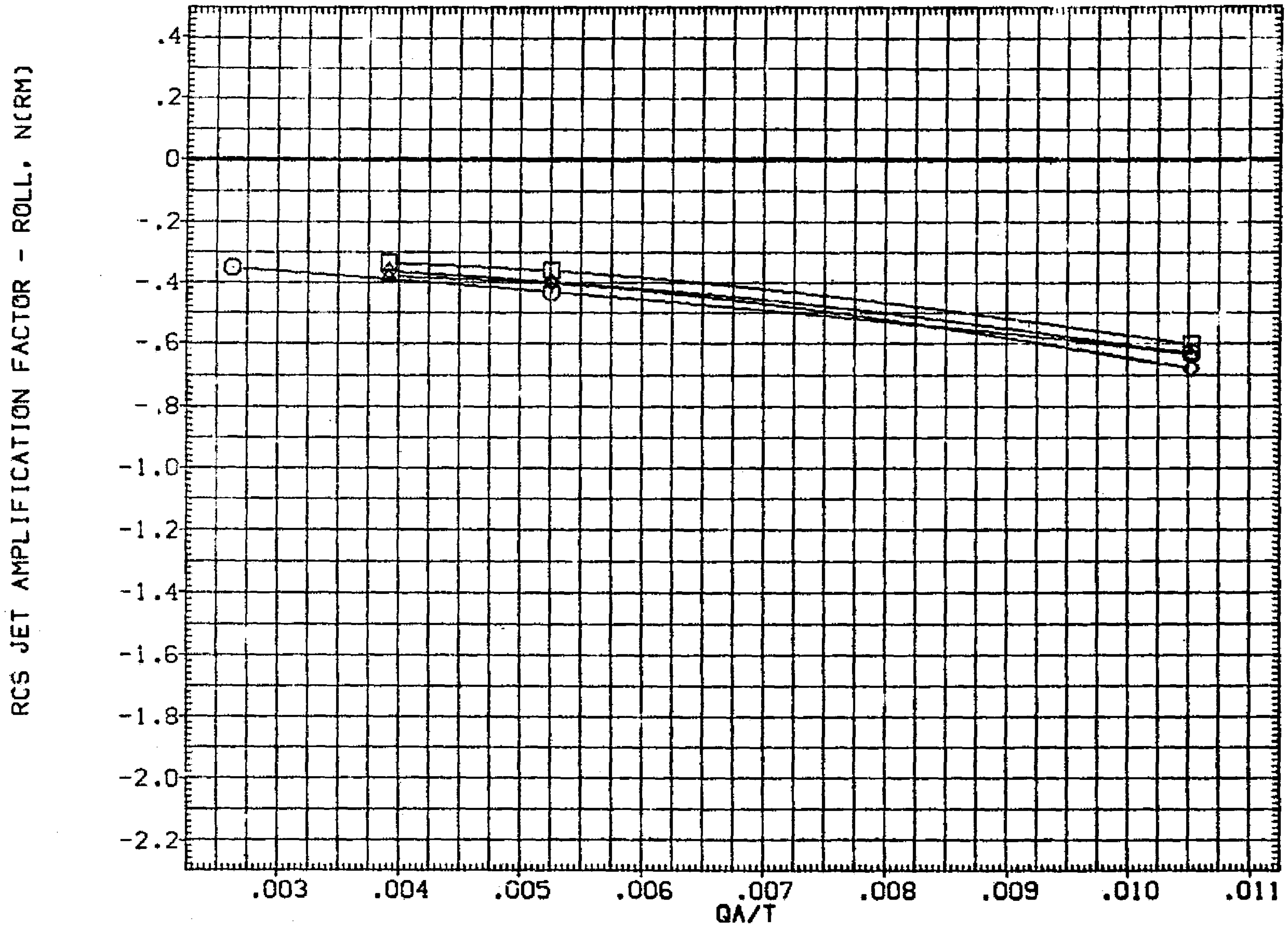

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

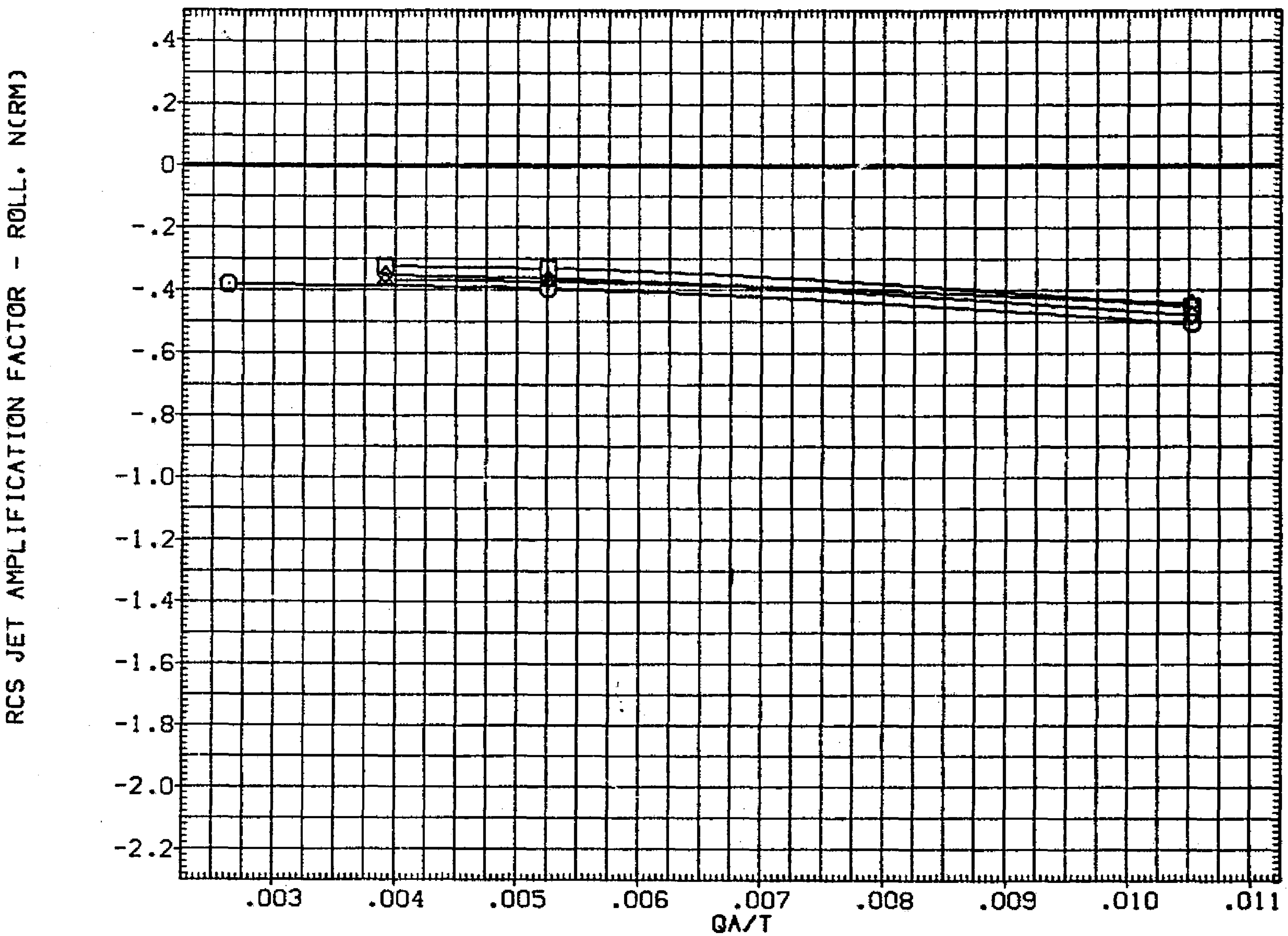

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

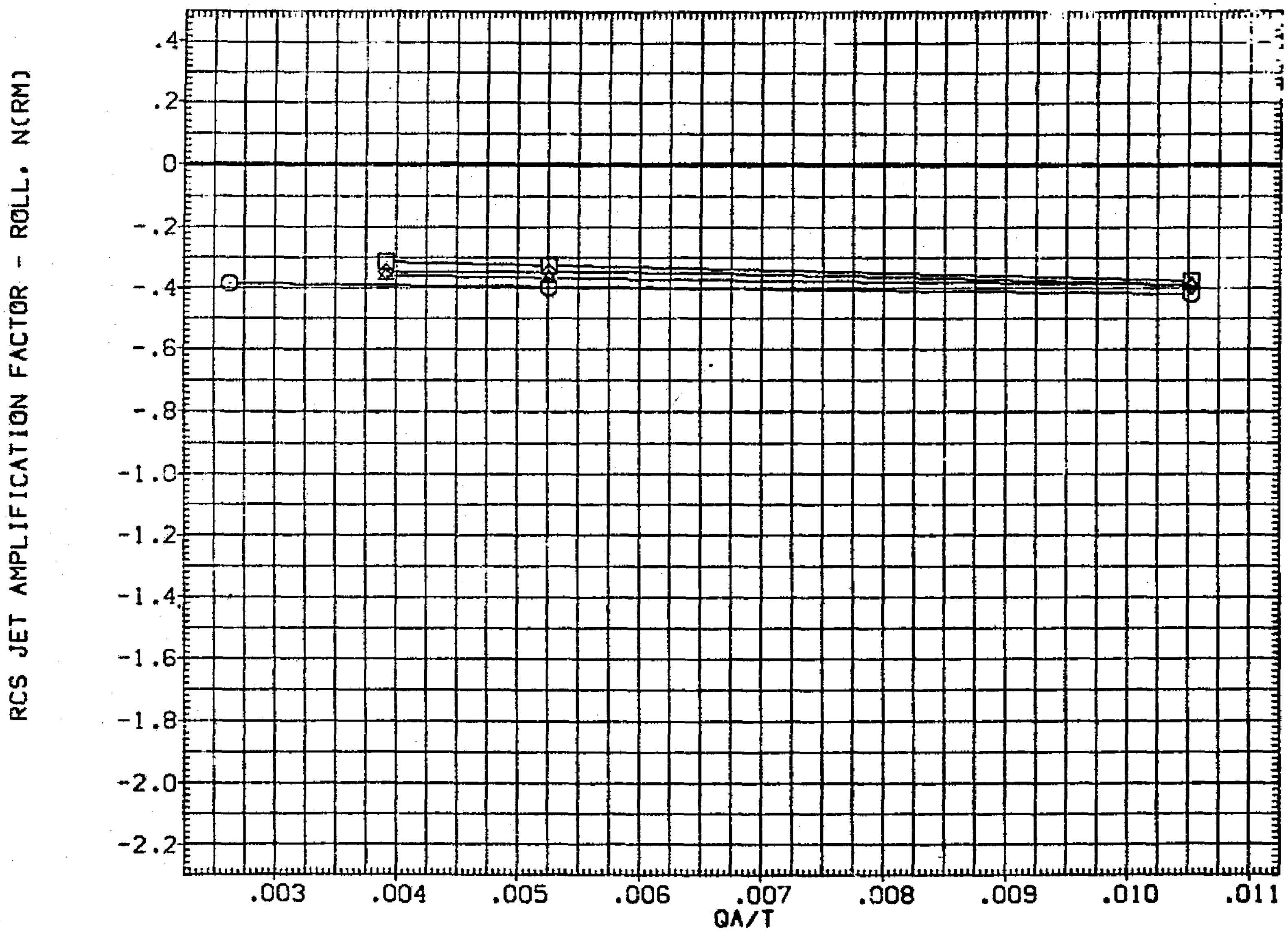

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(O)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

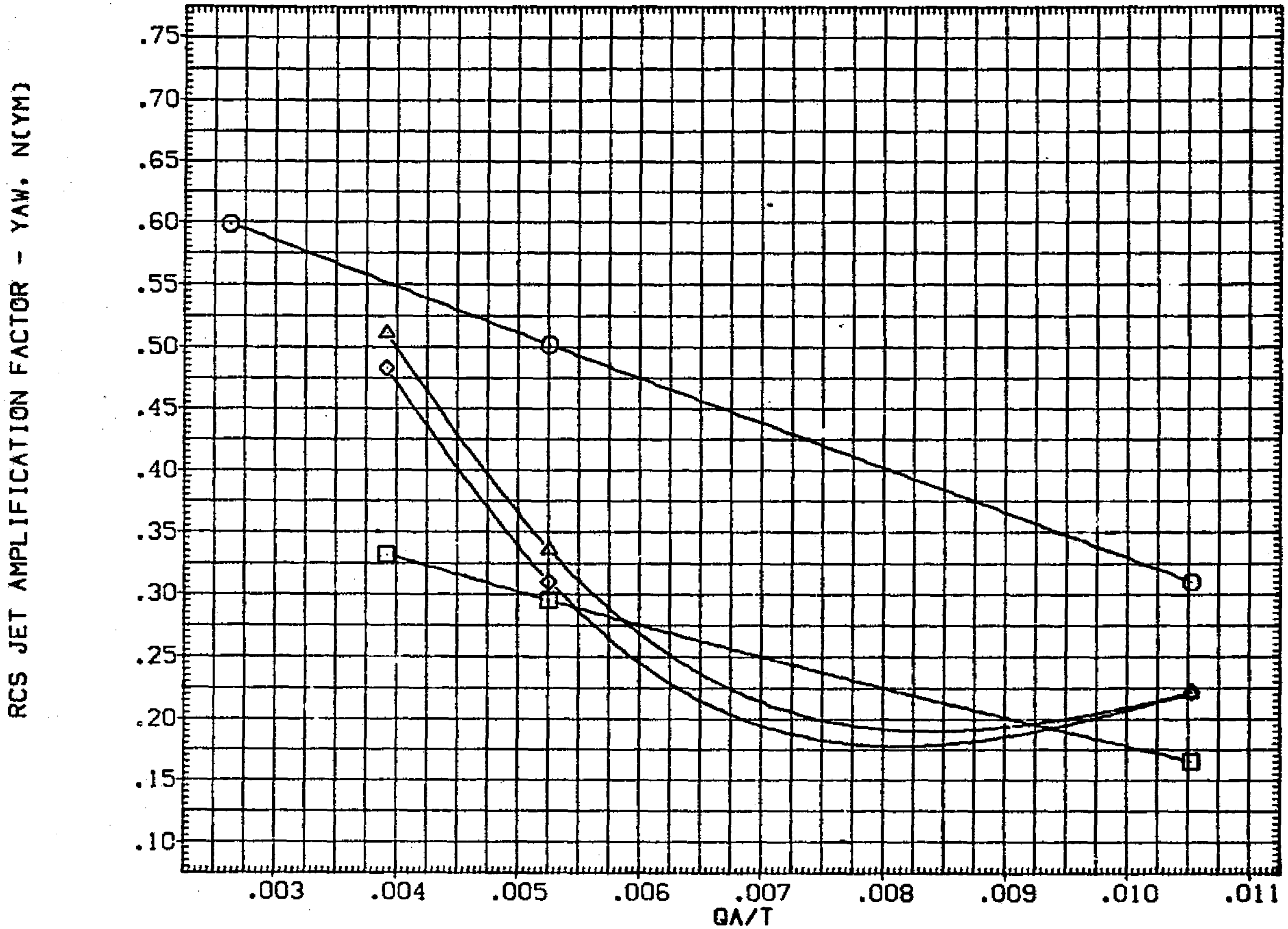

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

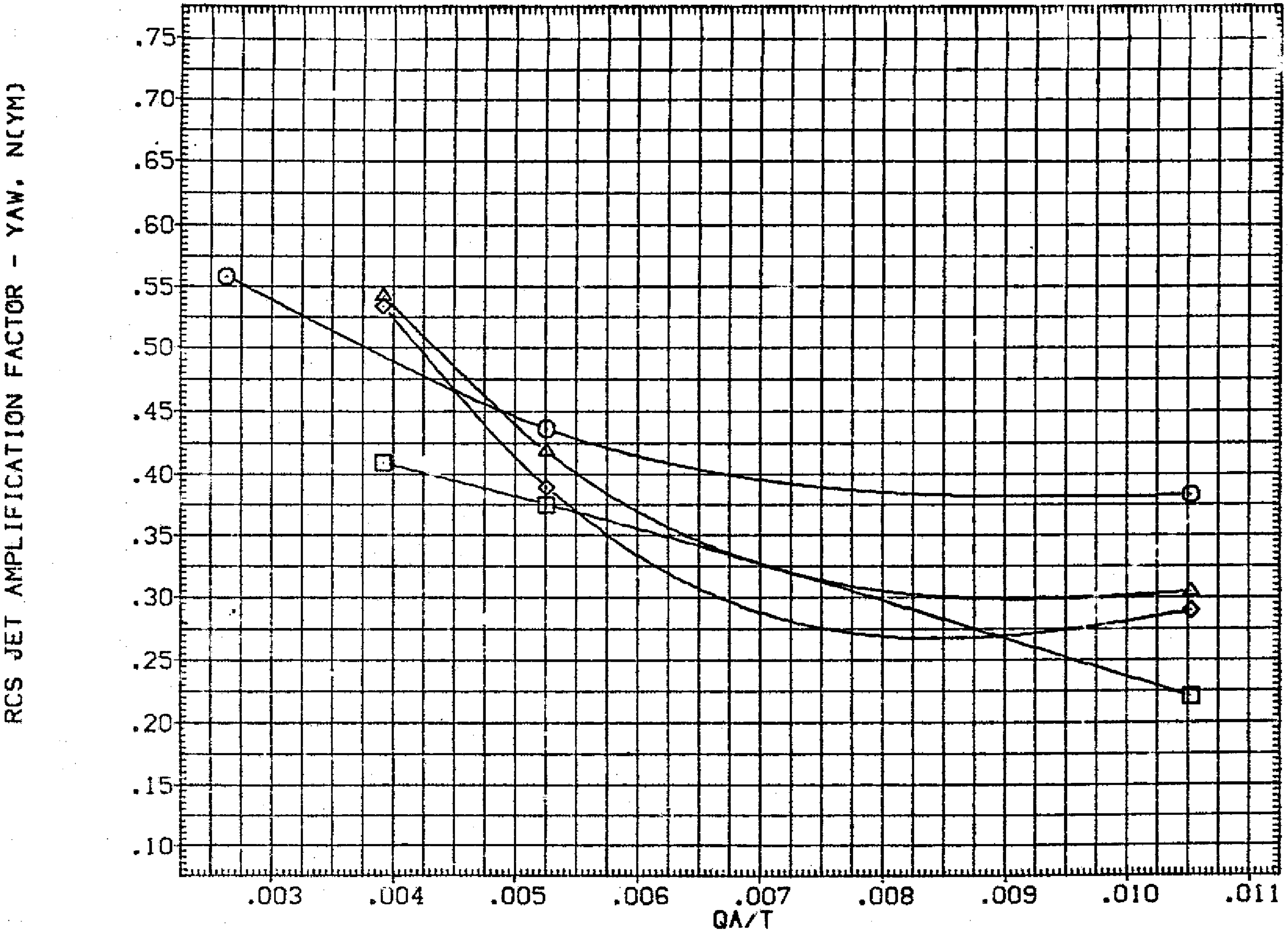

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(B)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

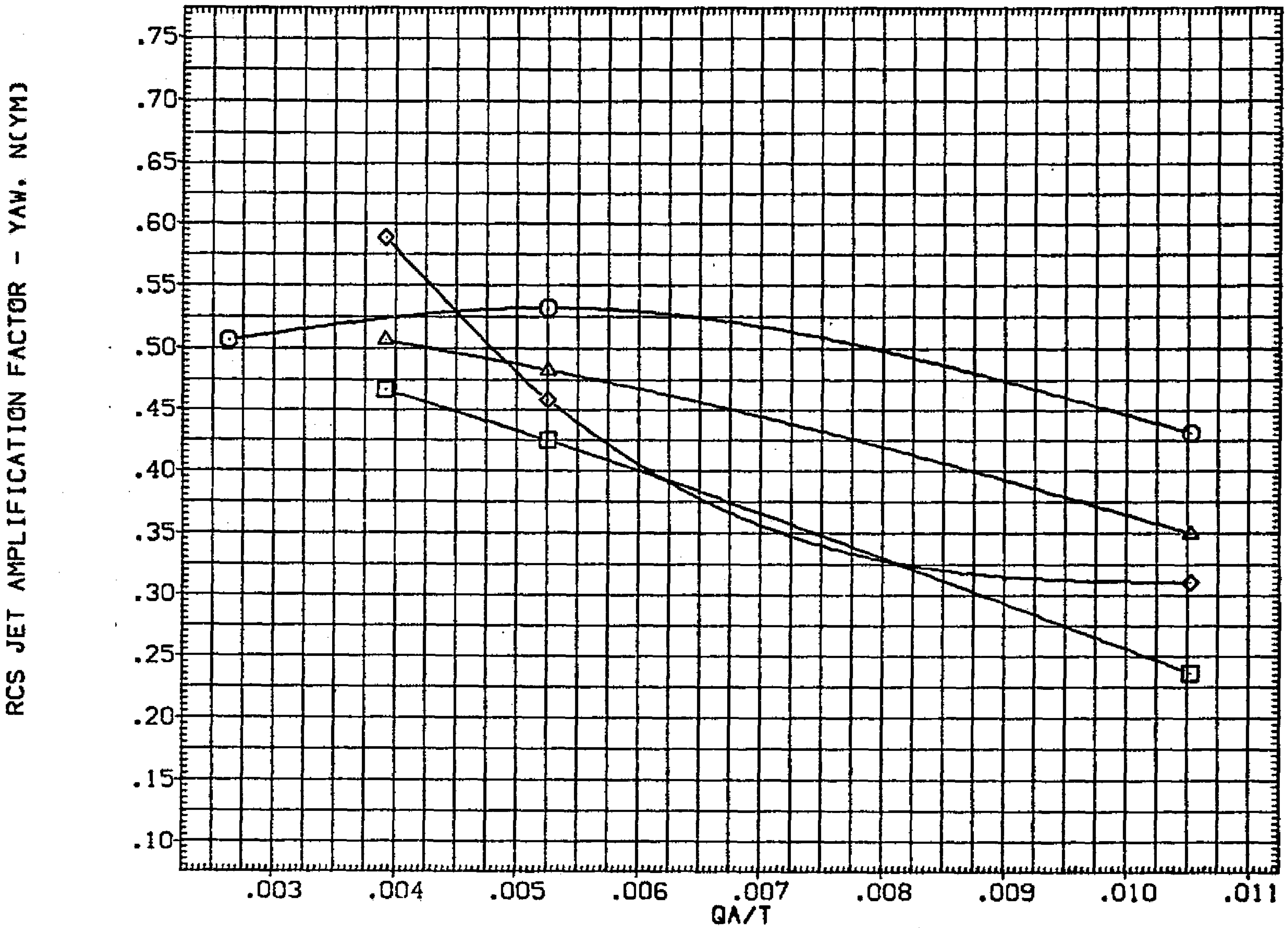

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

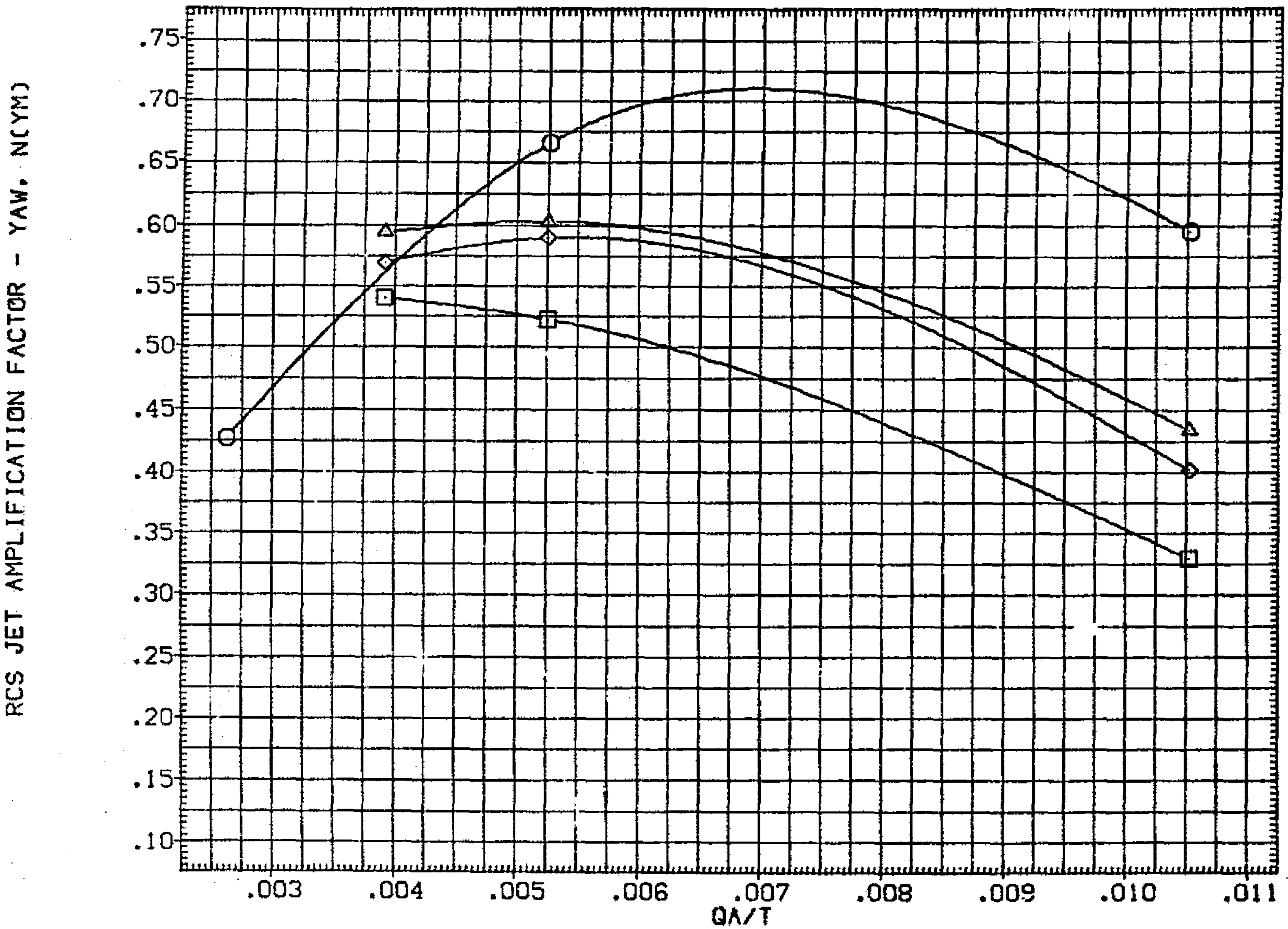

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

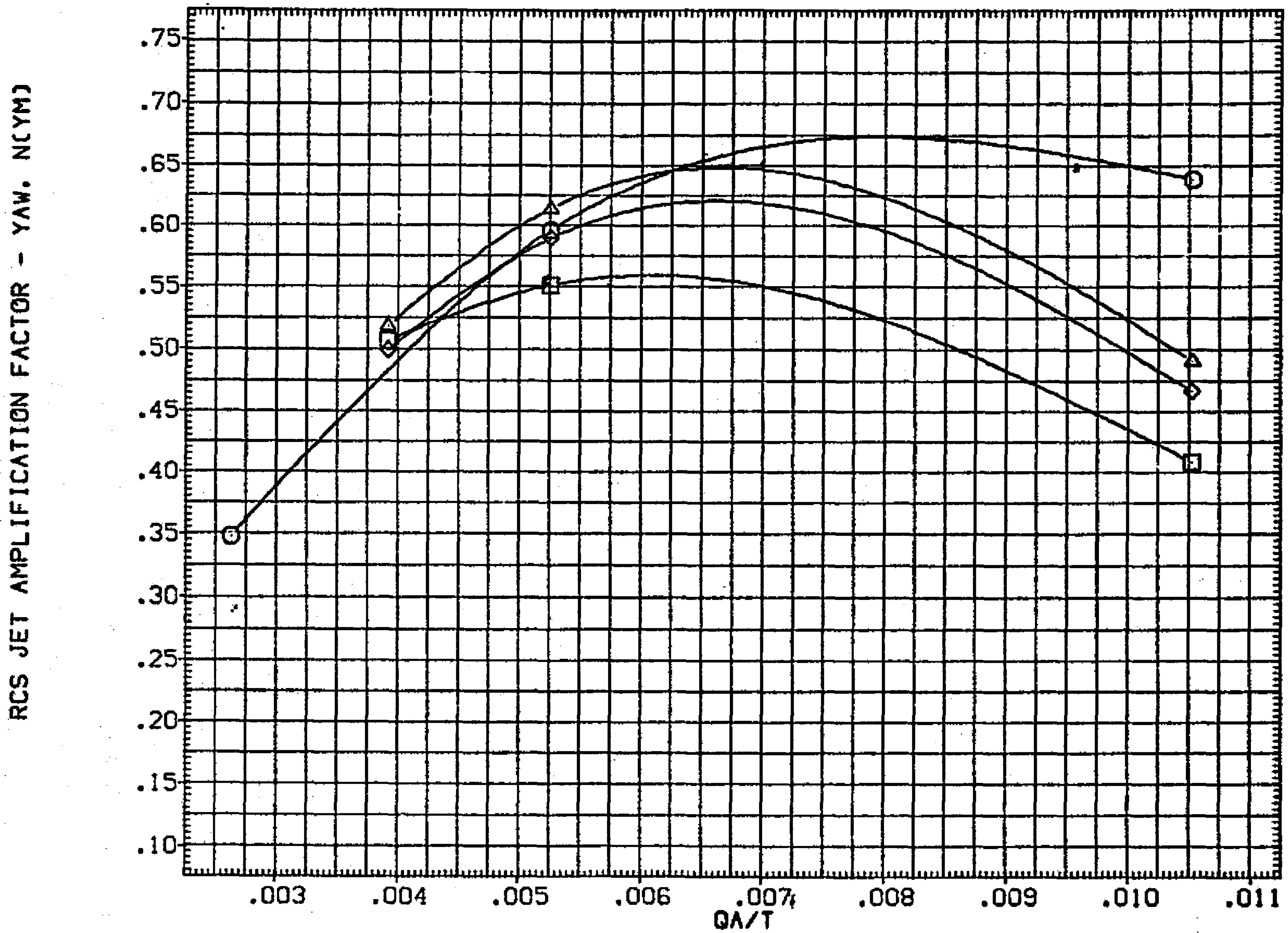

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	DIN32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	DIN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	DIN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	DIN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

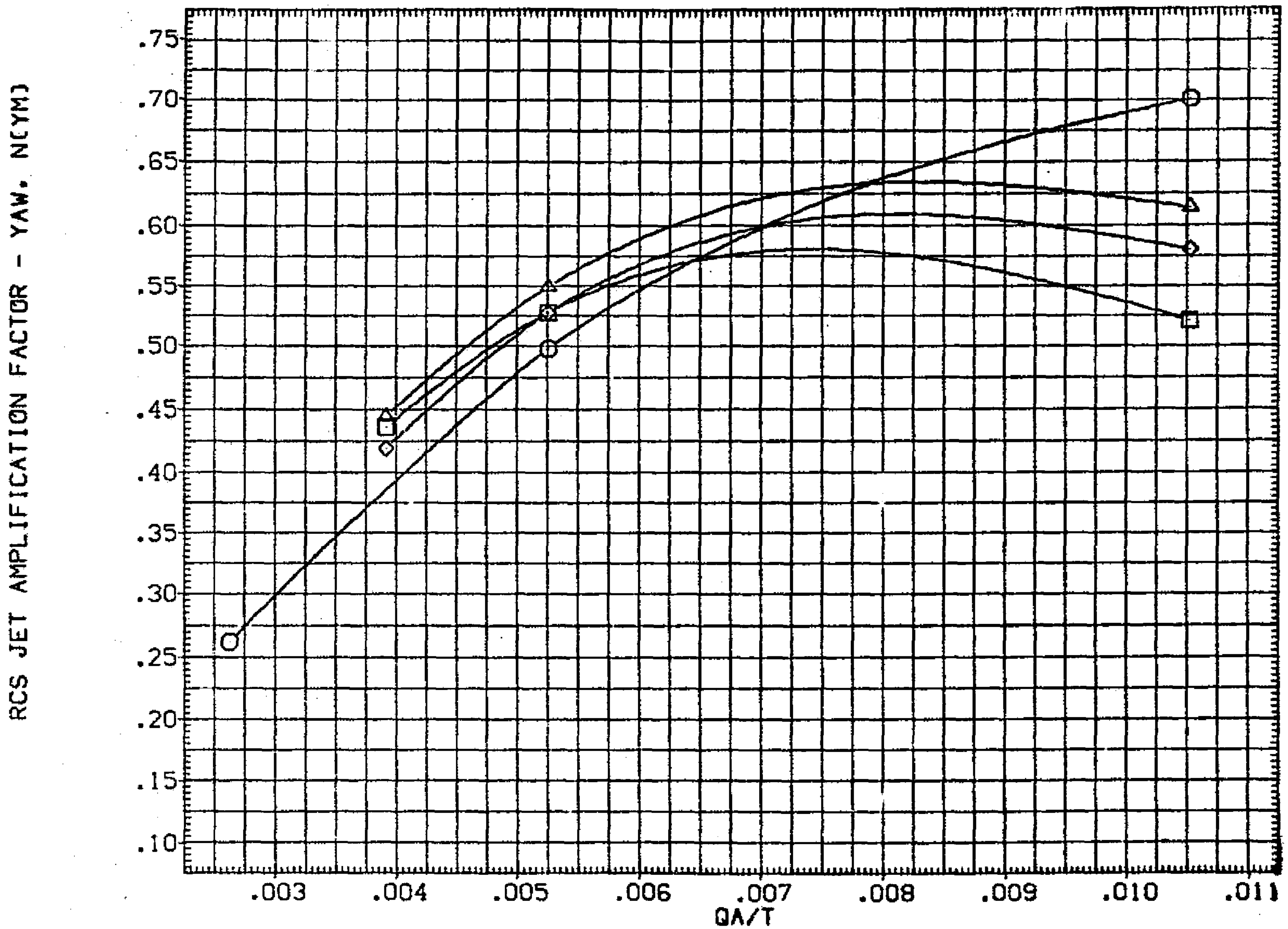

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

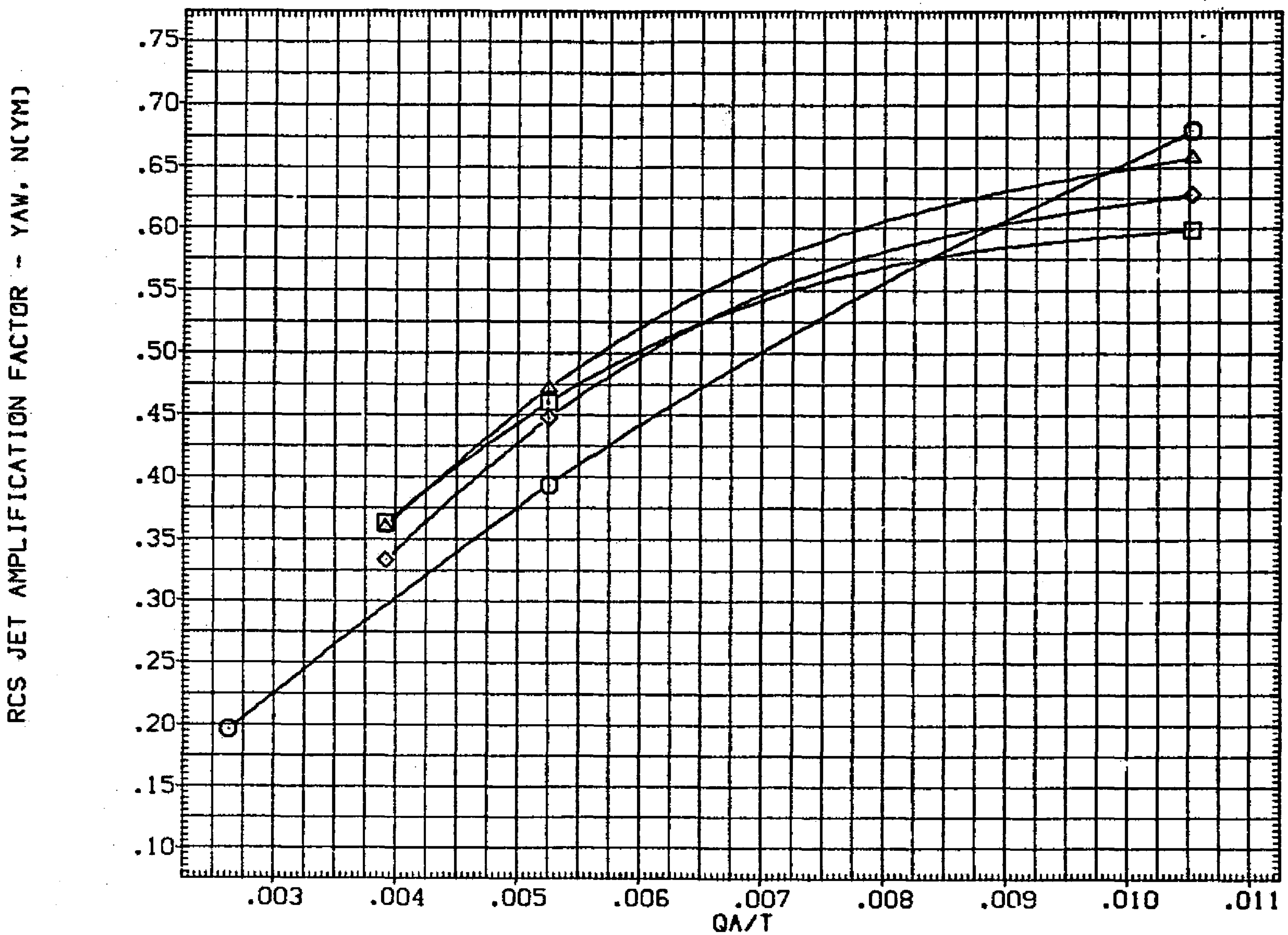

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	0IN32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	0IN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	0IN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	0IN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

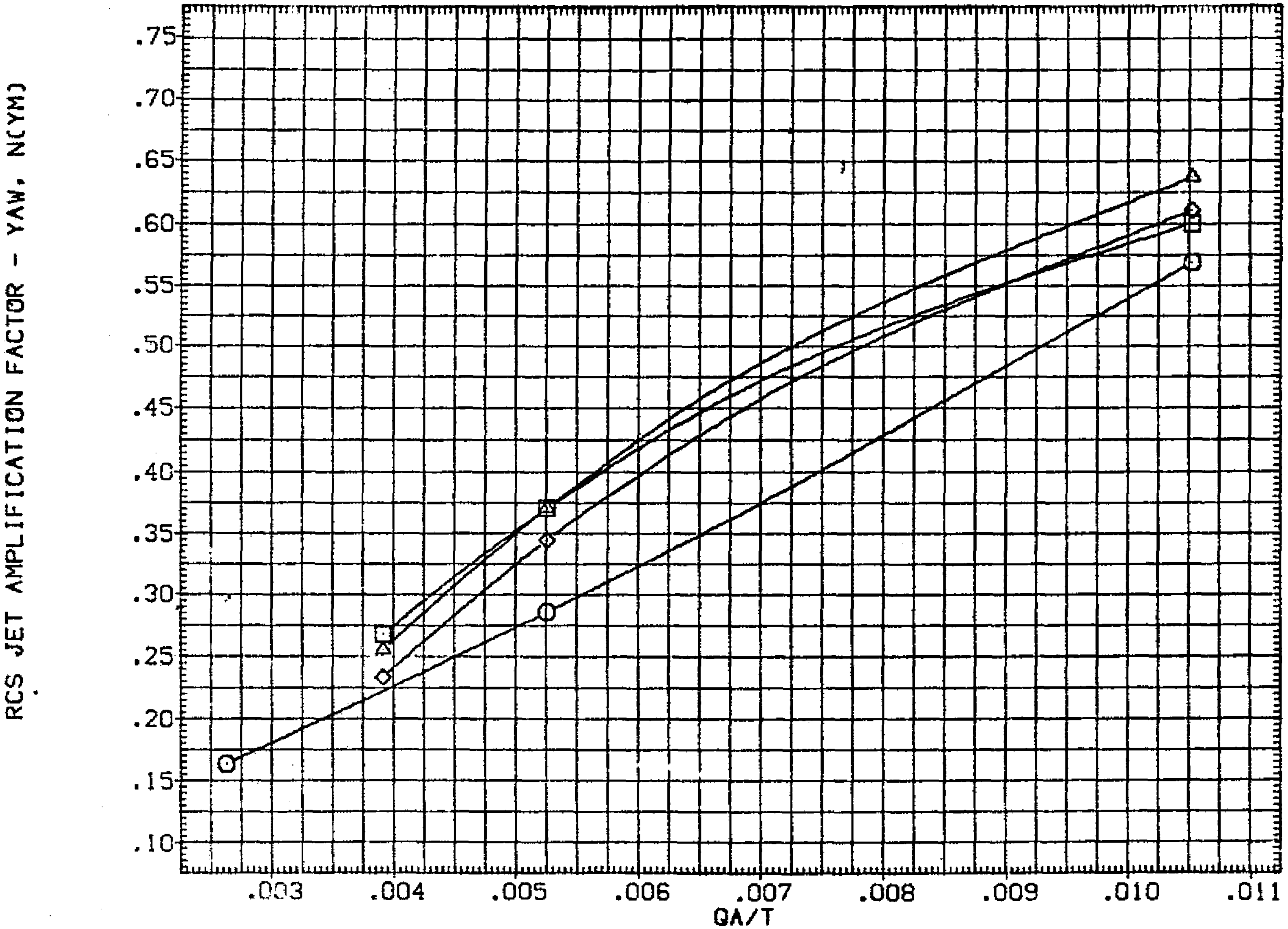

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

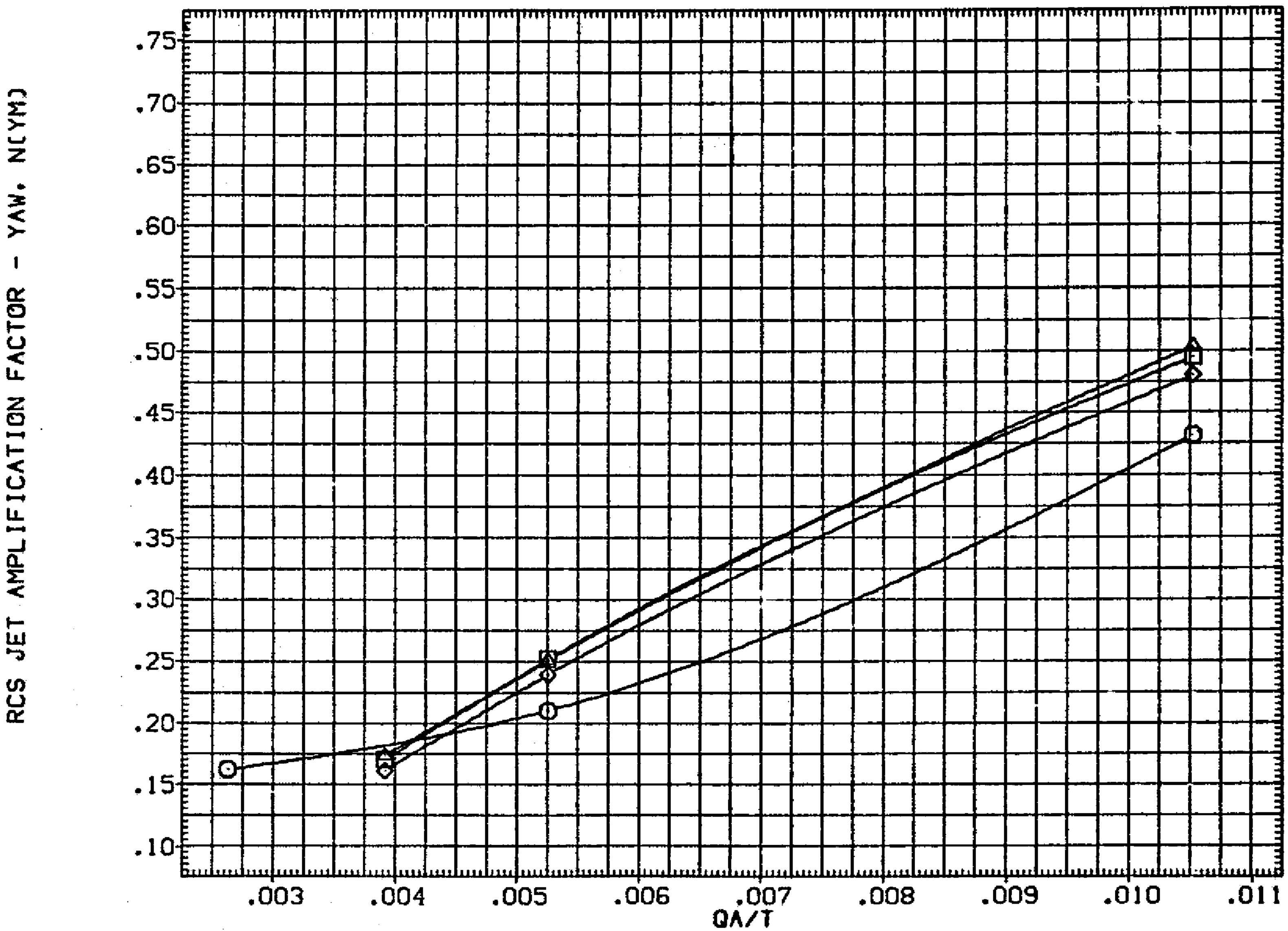

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6500	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

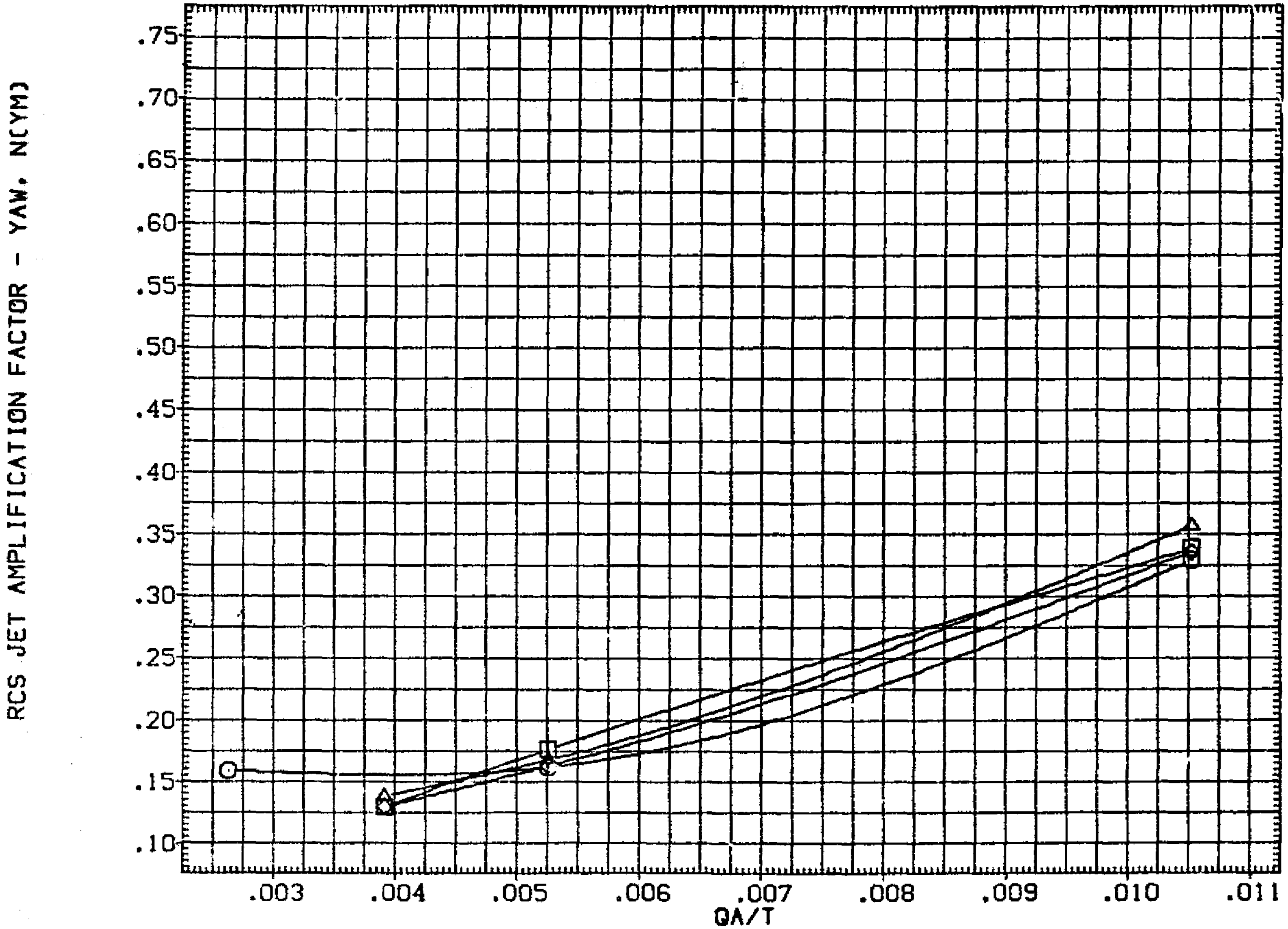

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	0IN32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	0IN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	0IN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	0IN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

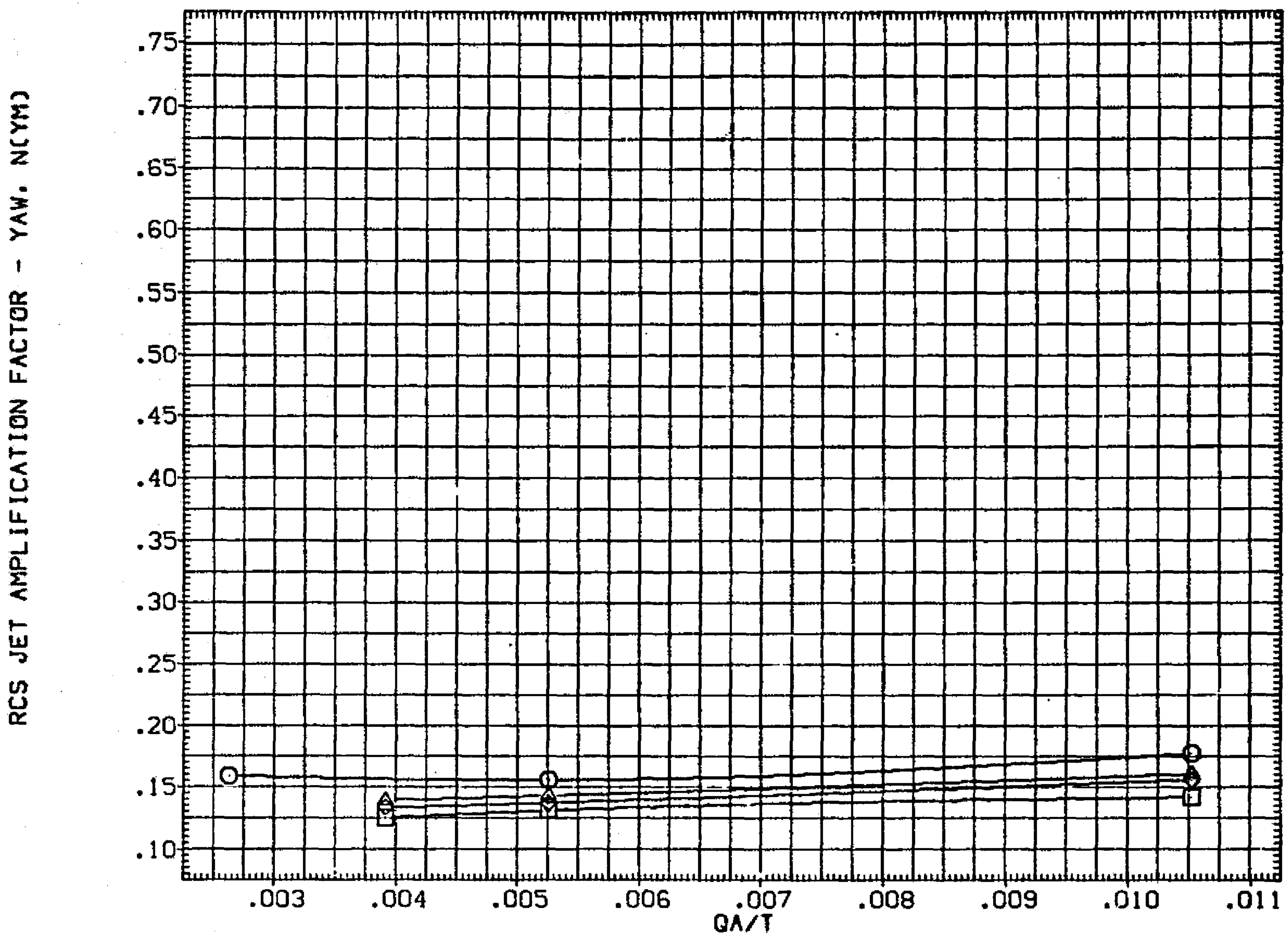

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N49	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

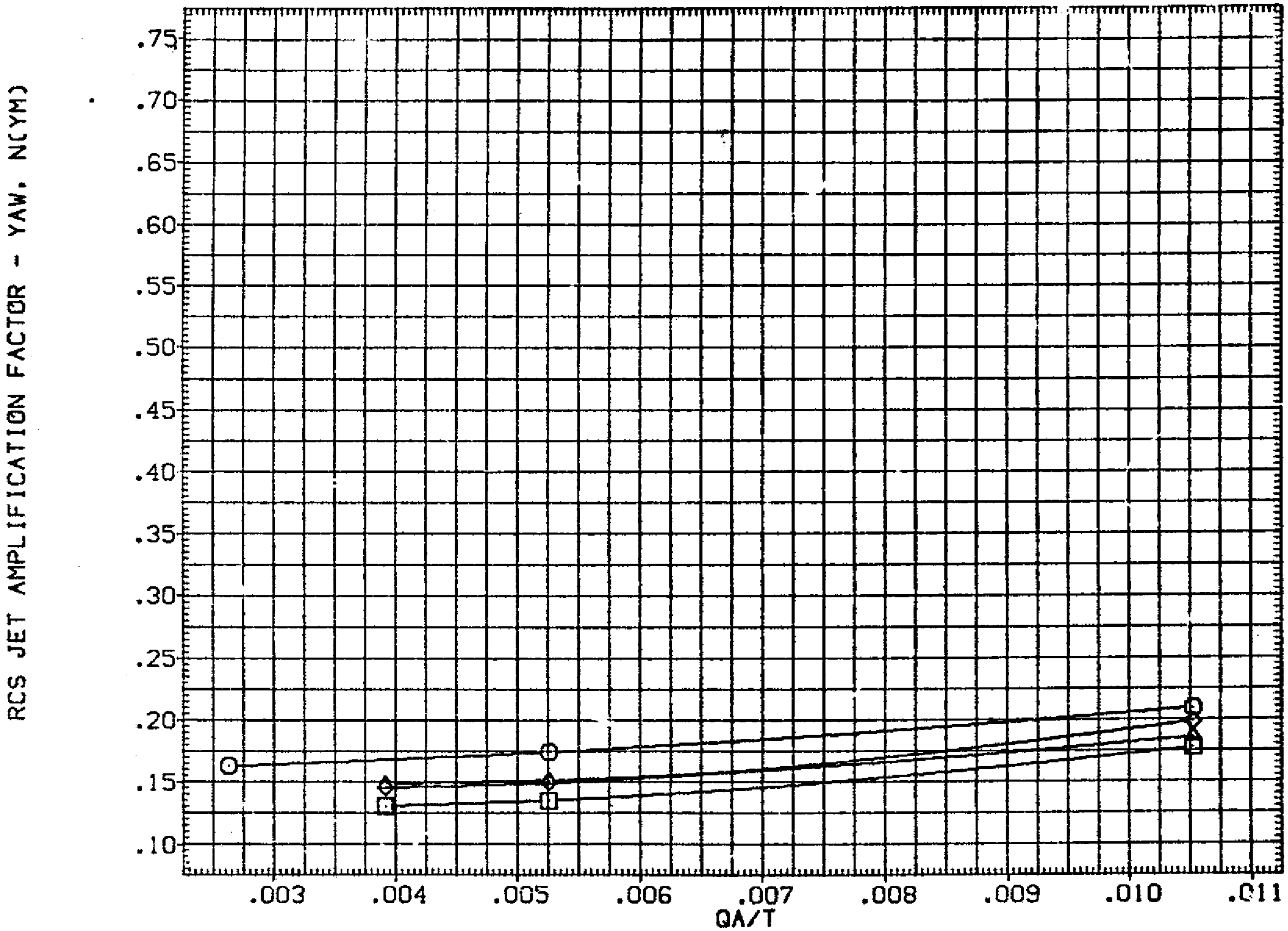

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

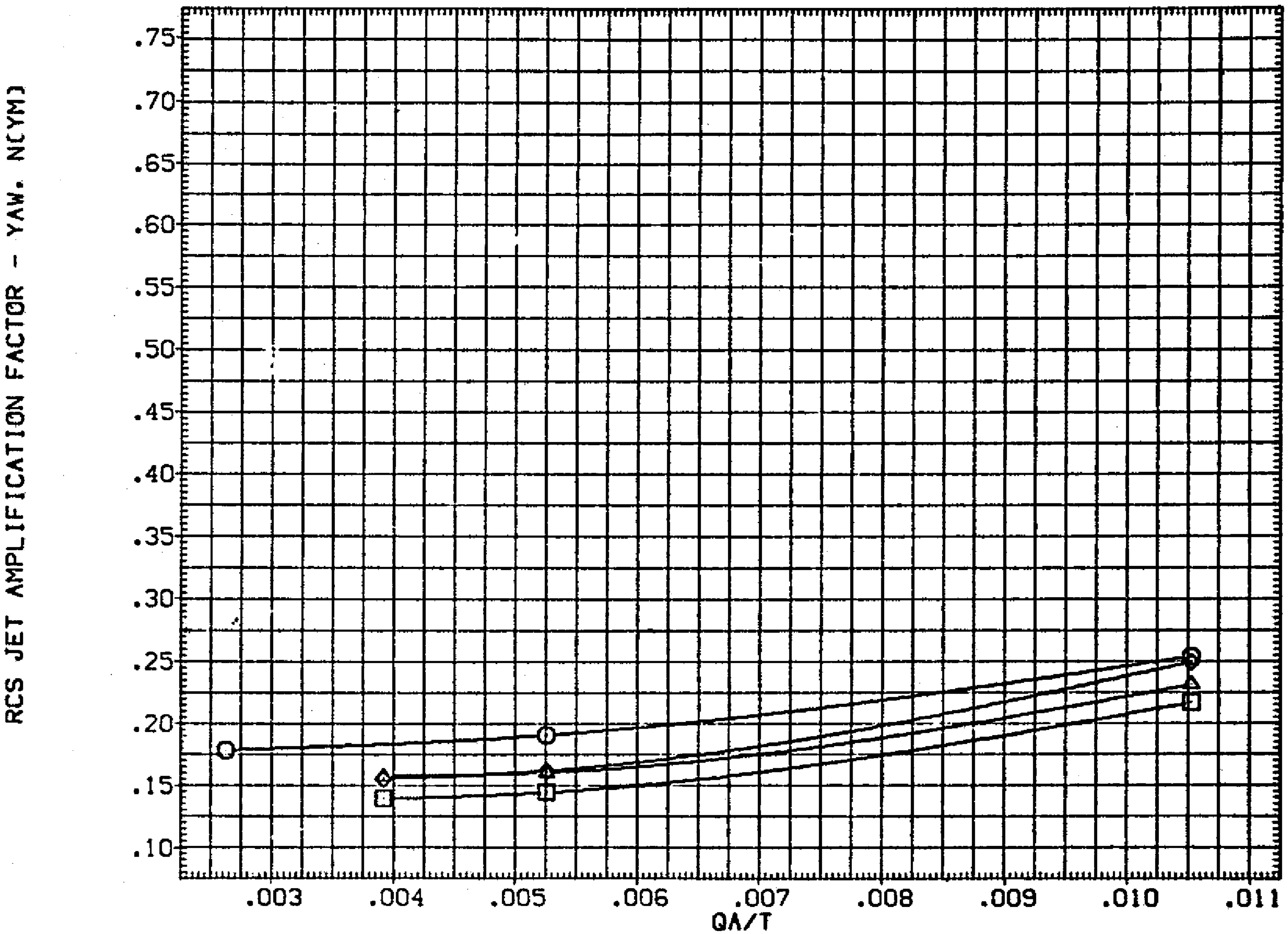

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	0IN32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	0IN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	0IN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	0IN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

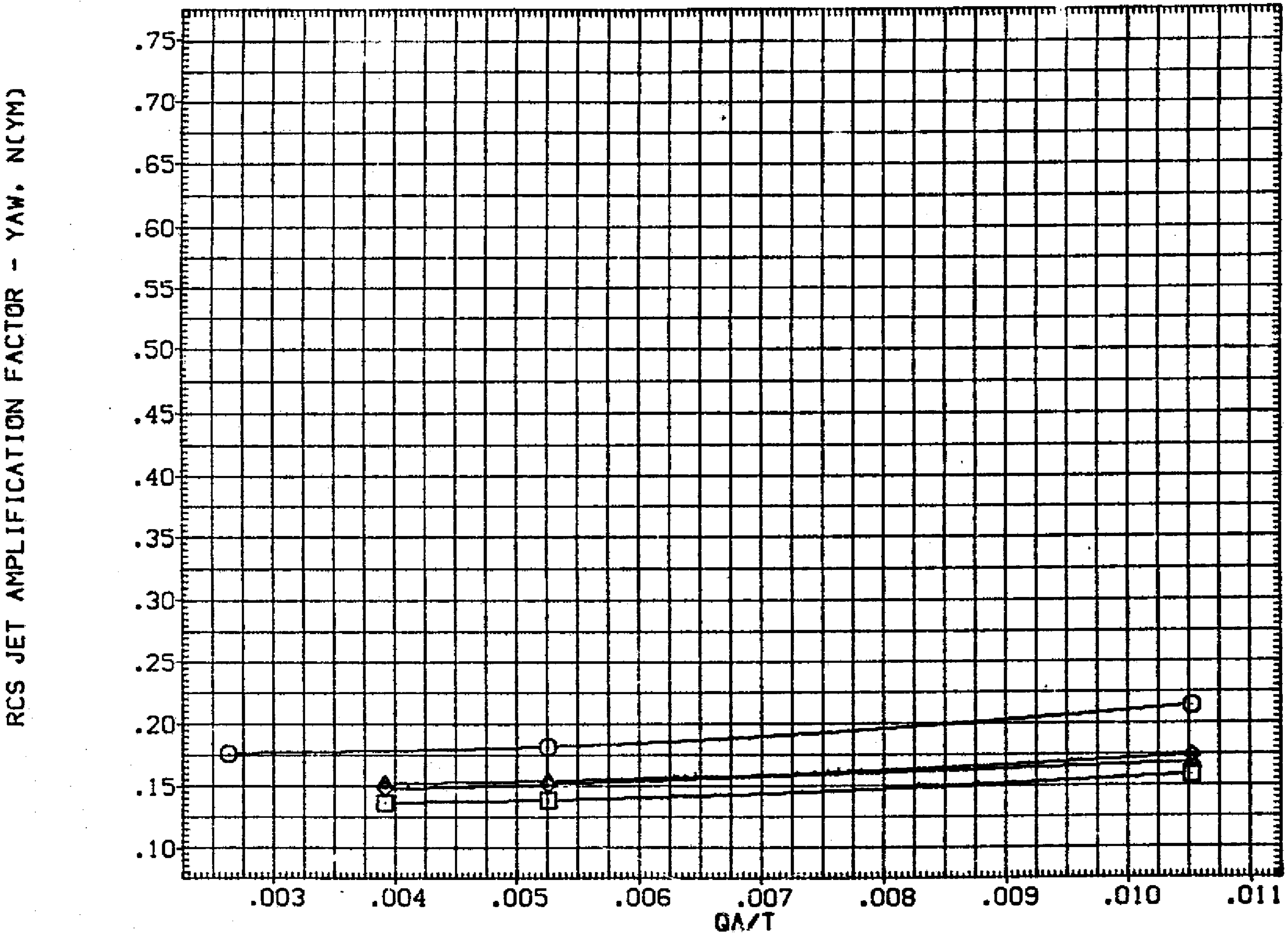

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

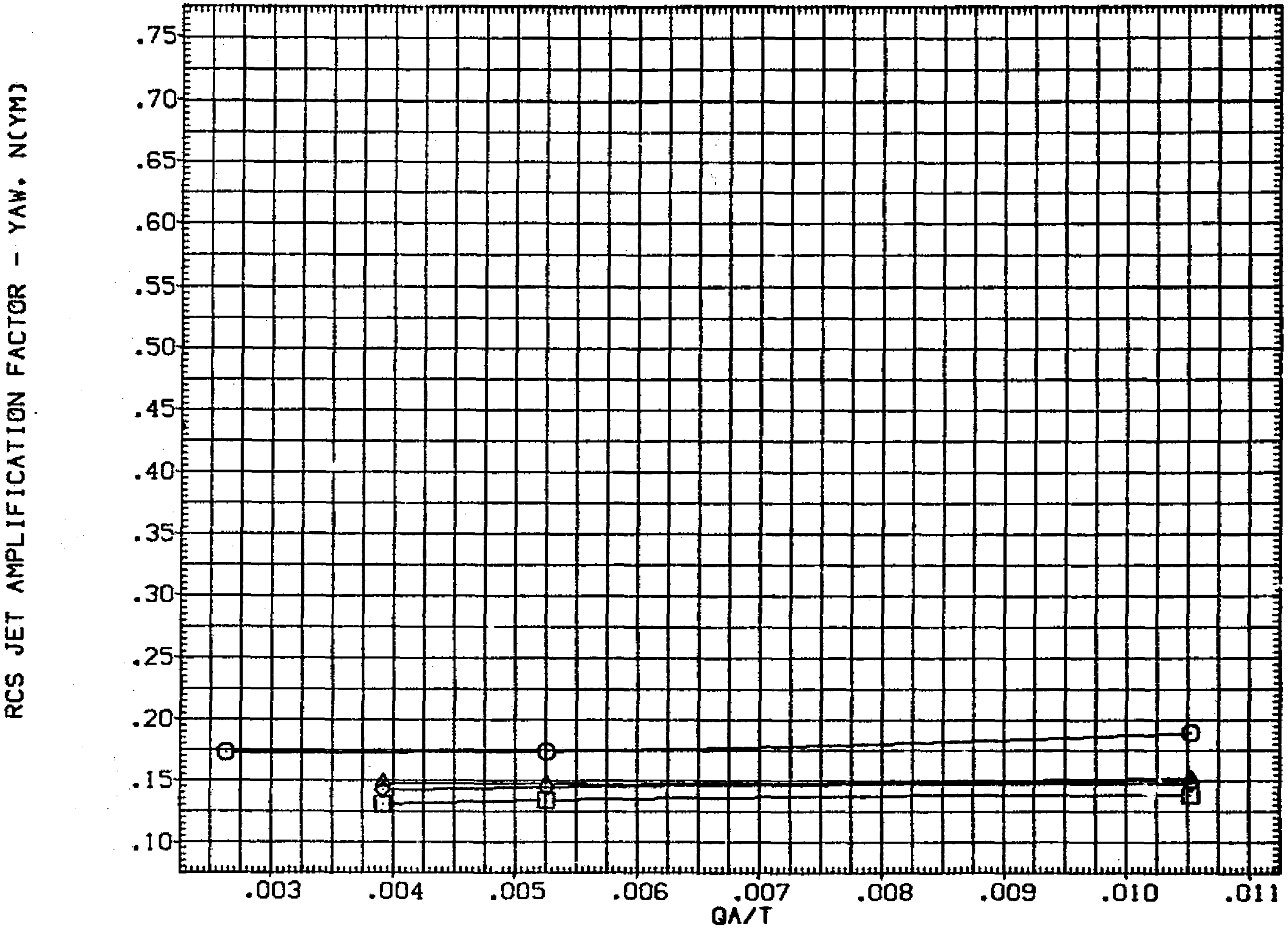

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(O)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

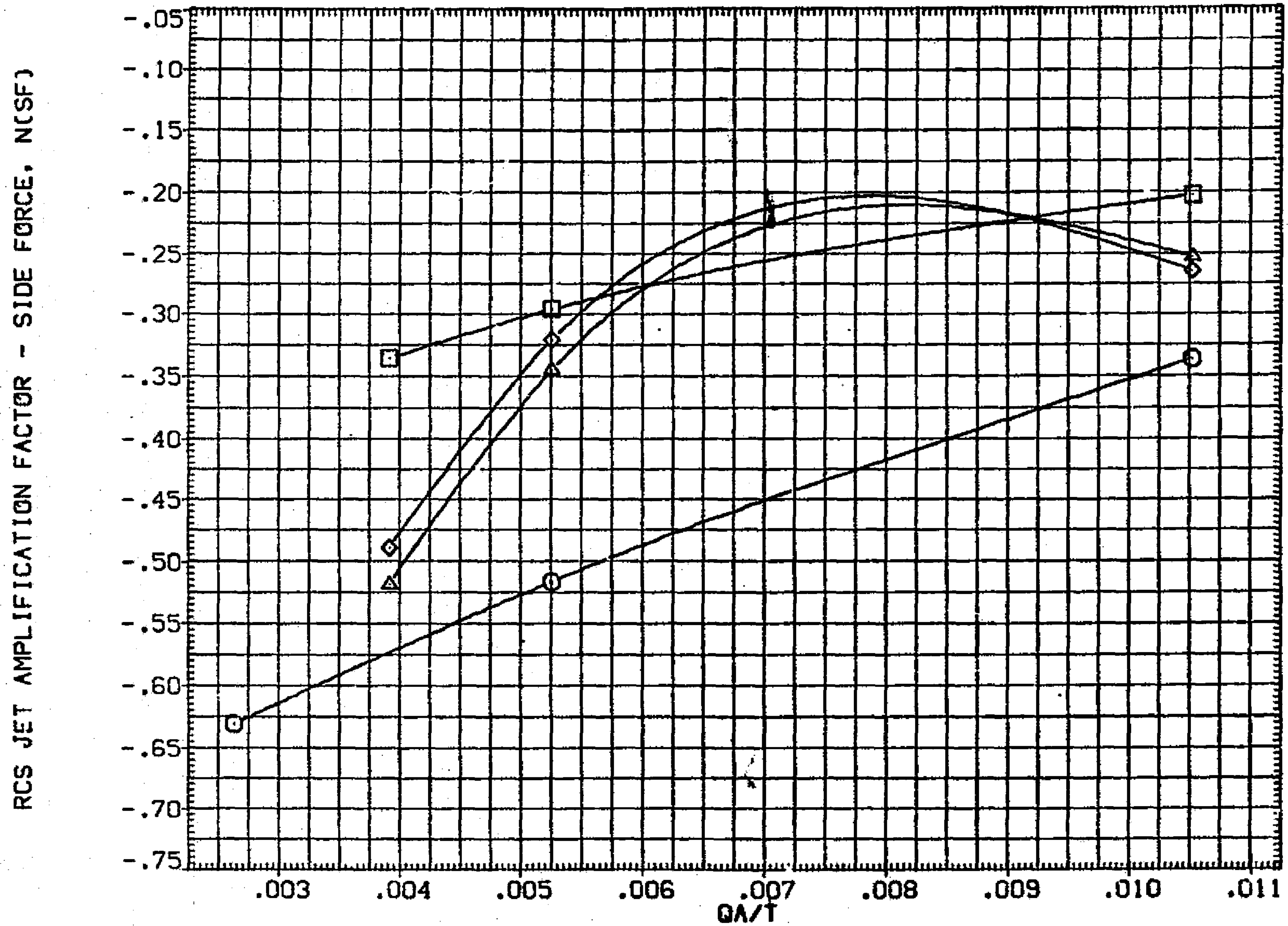

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(A)ALPHA = -8.00

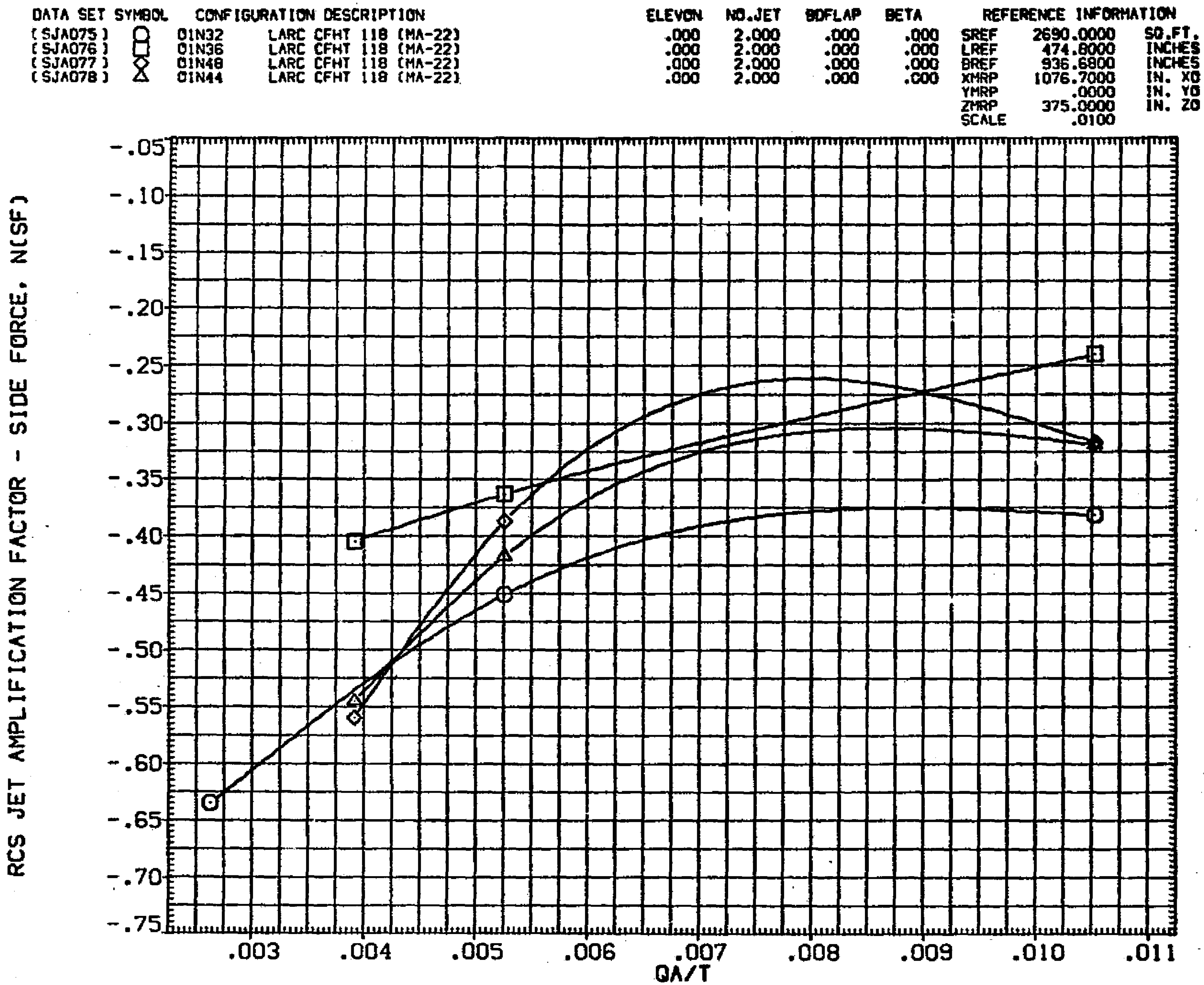

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS
(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	0IN32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	0IN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	0IN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	0IN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

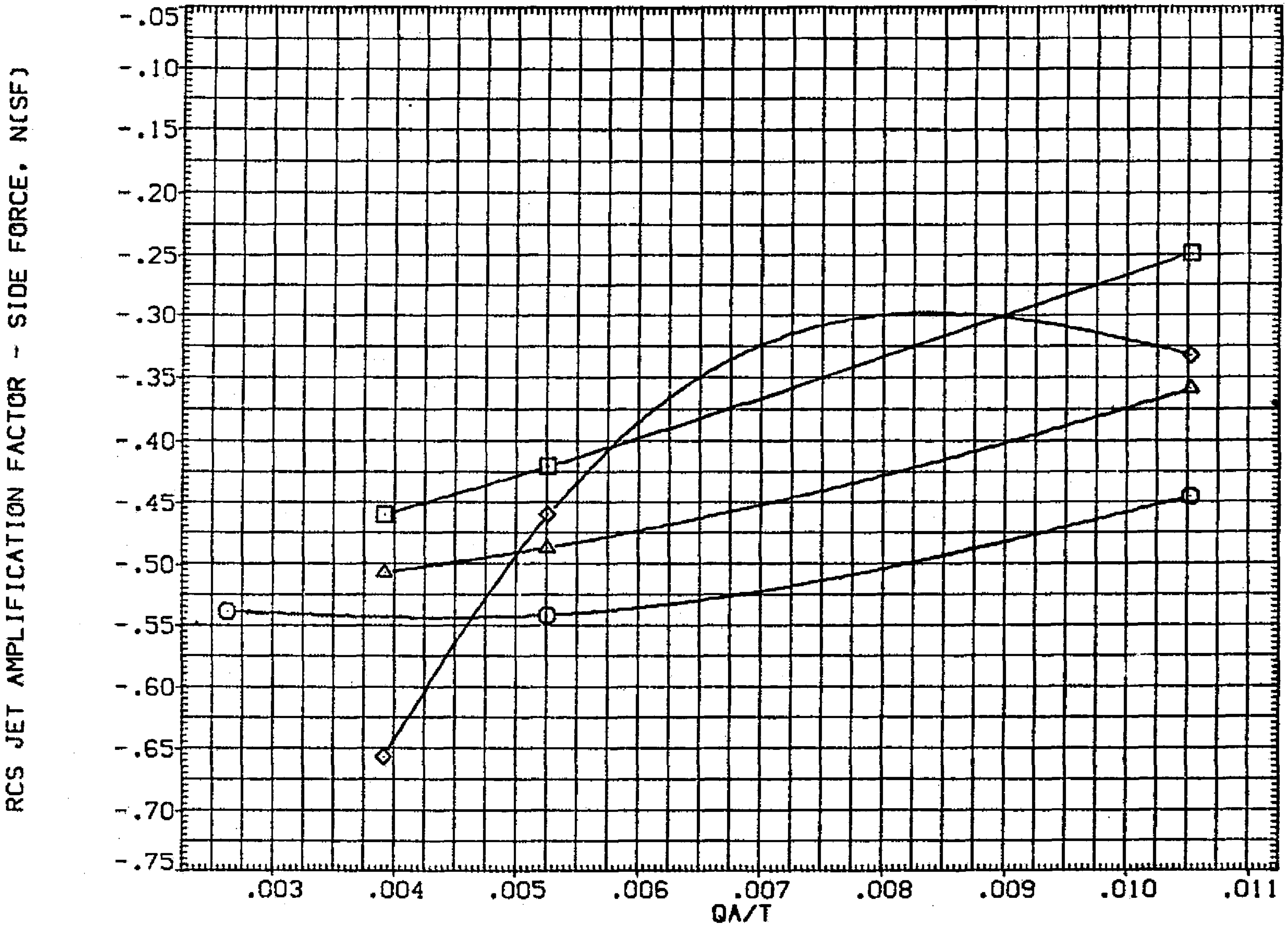

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(C)ALPHA = -4.00

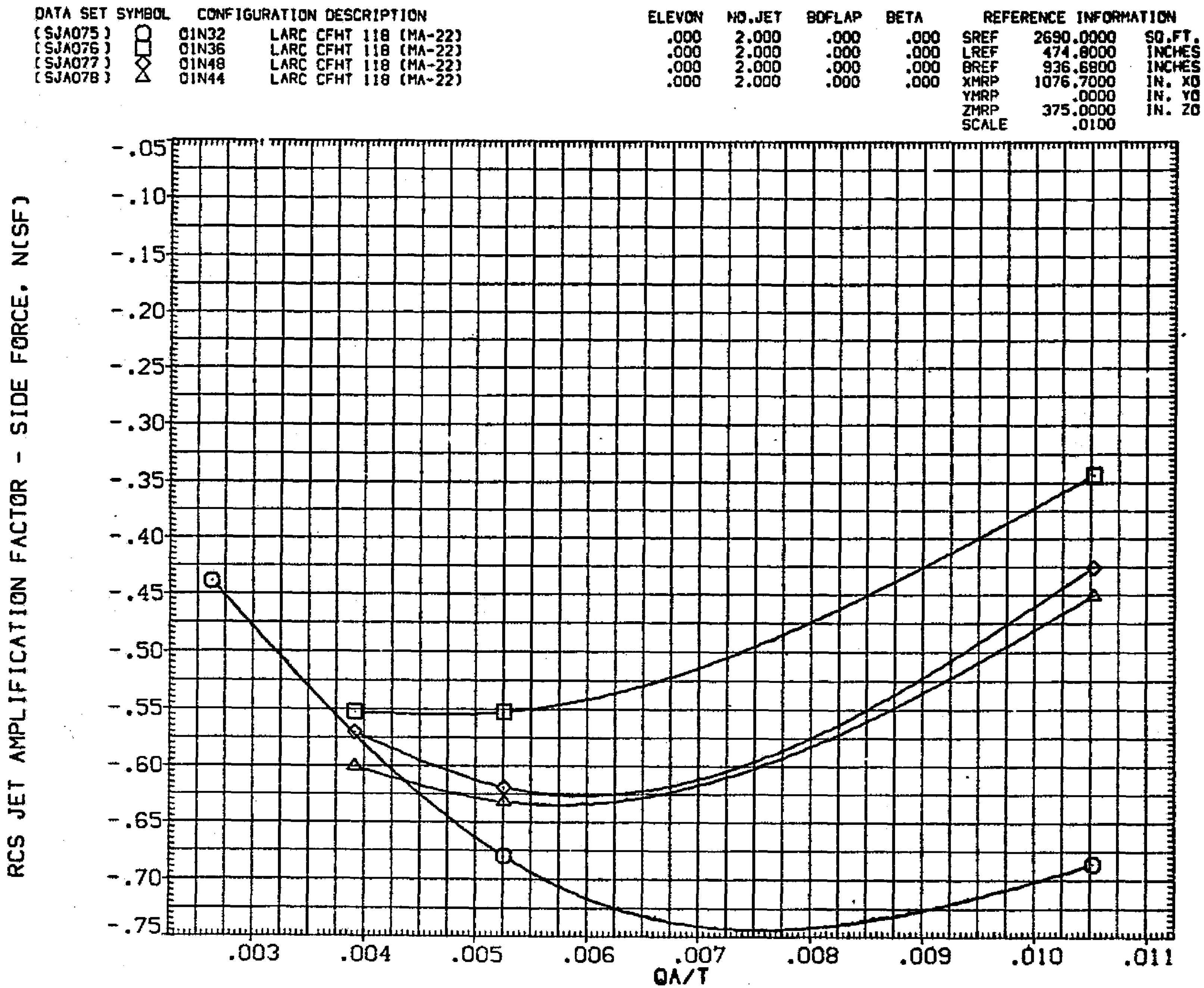

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	0IN32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	0IN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	0IN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	0IN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

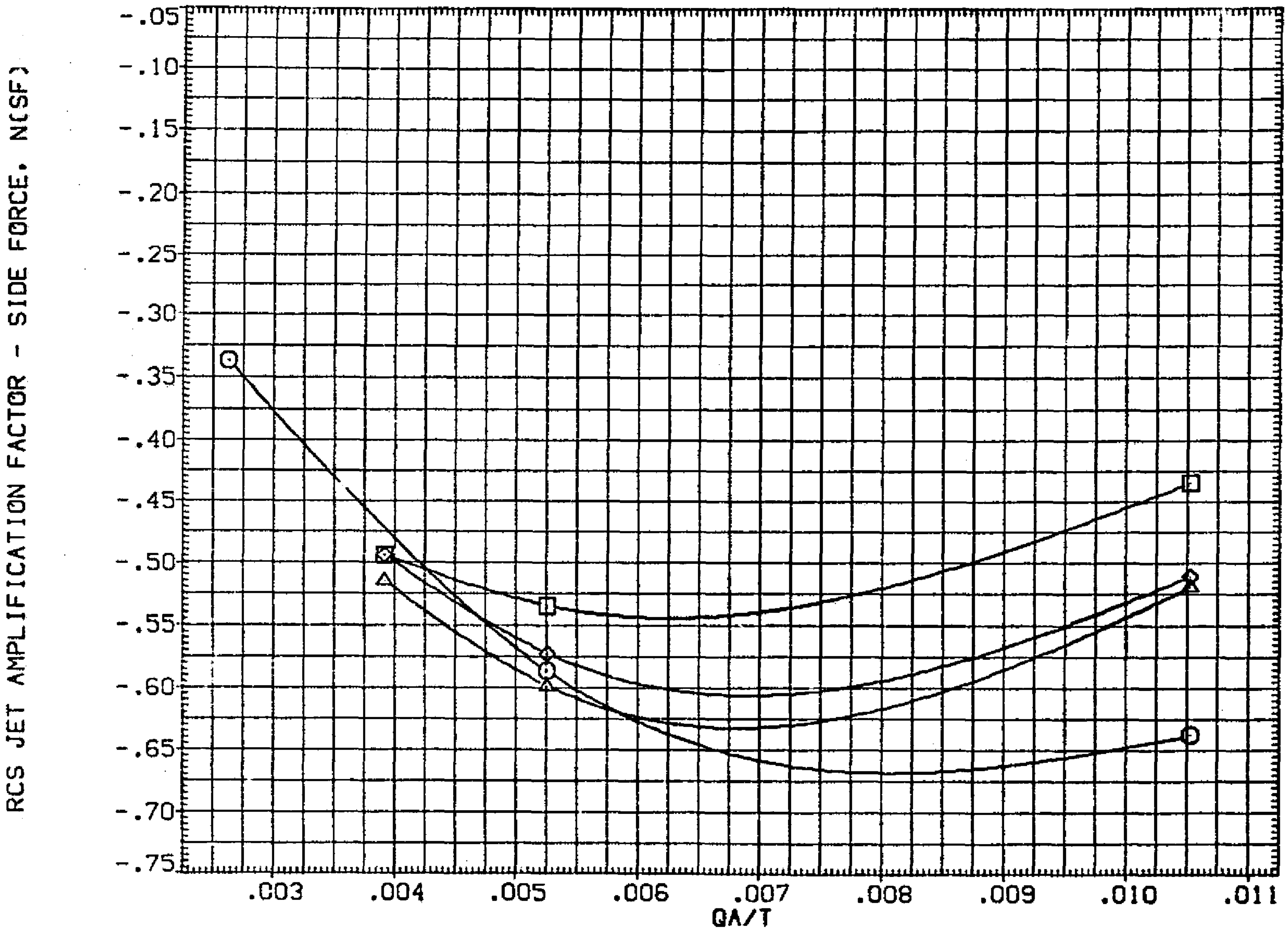

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

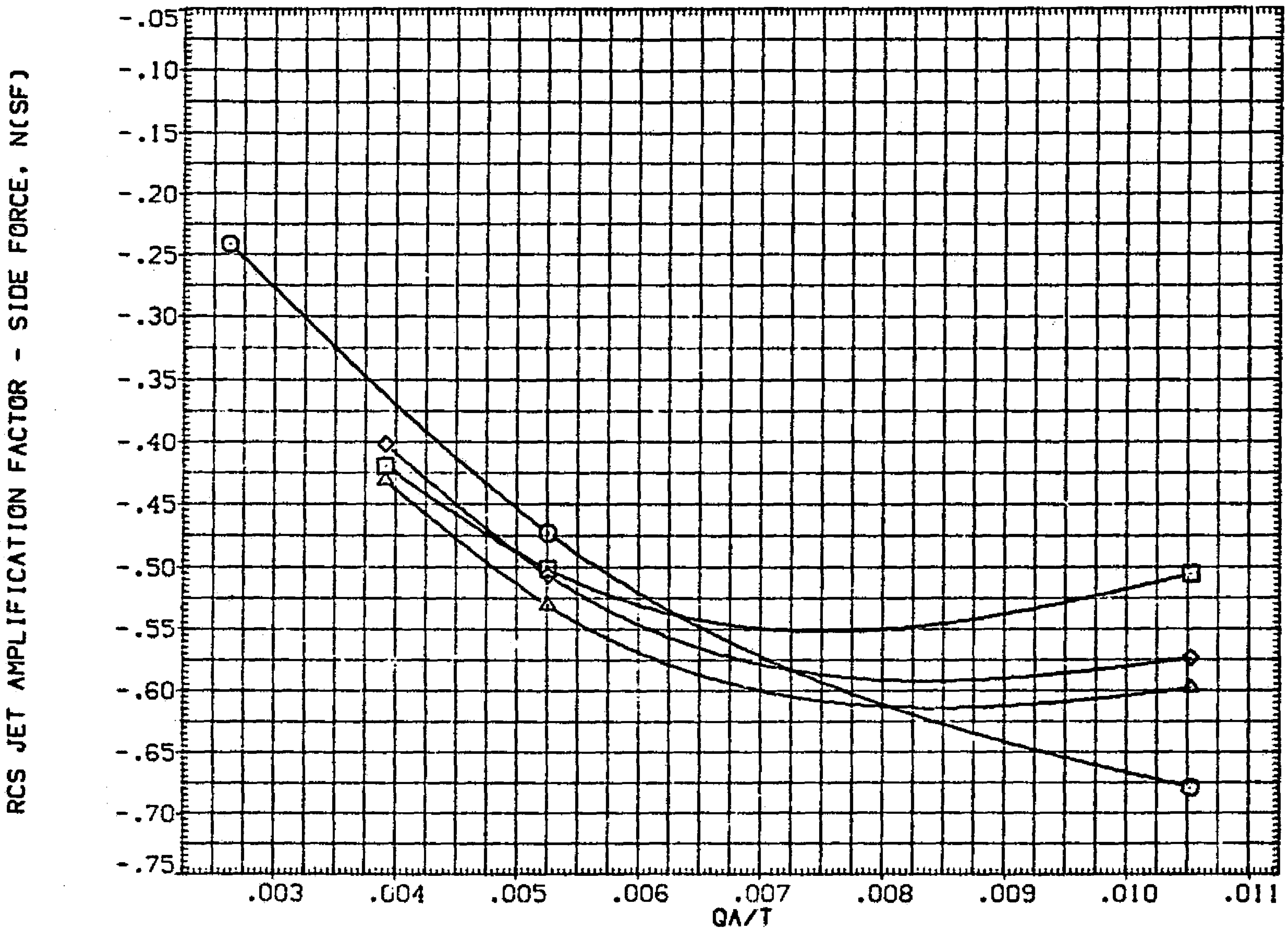

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

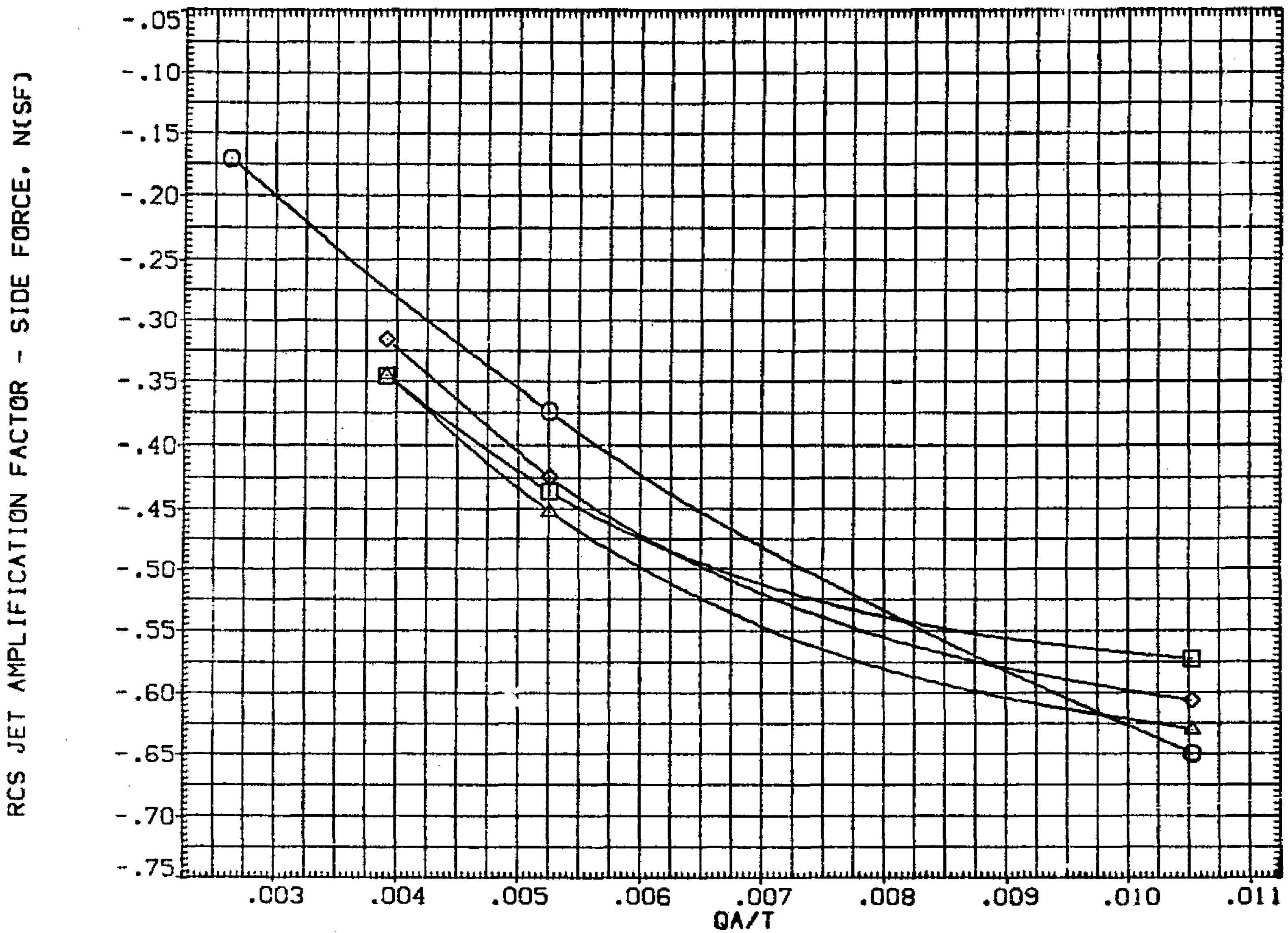

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

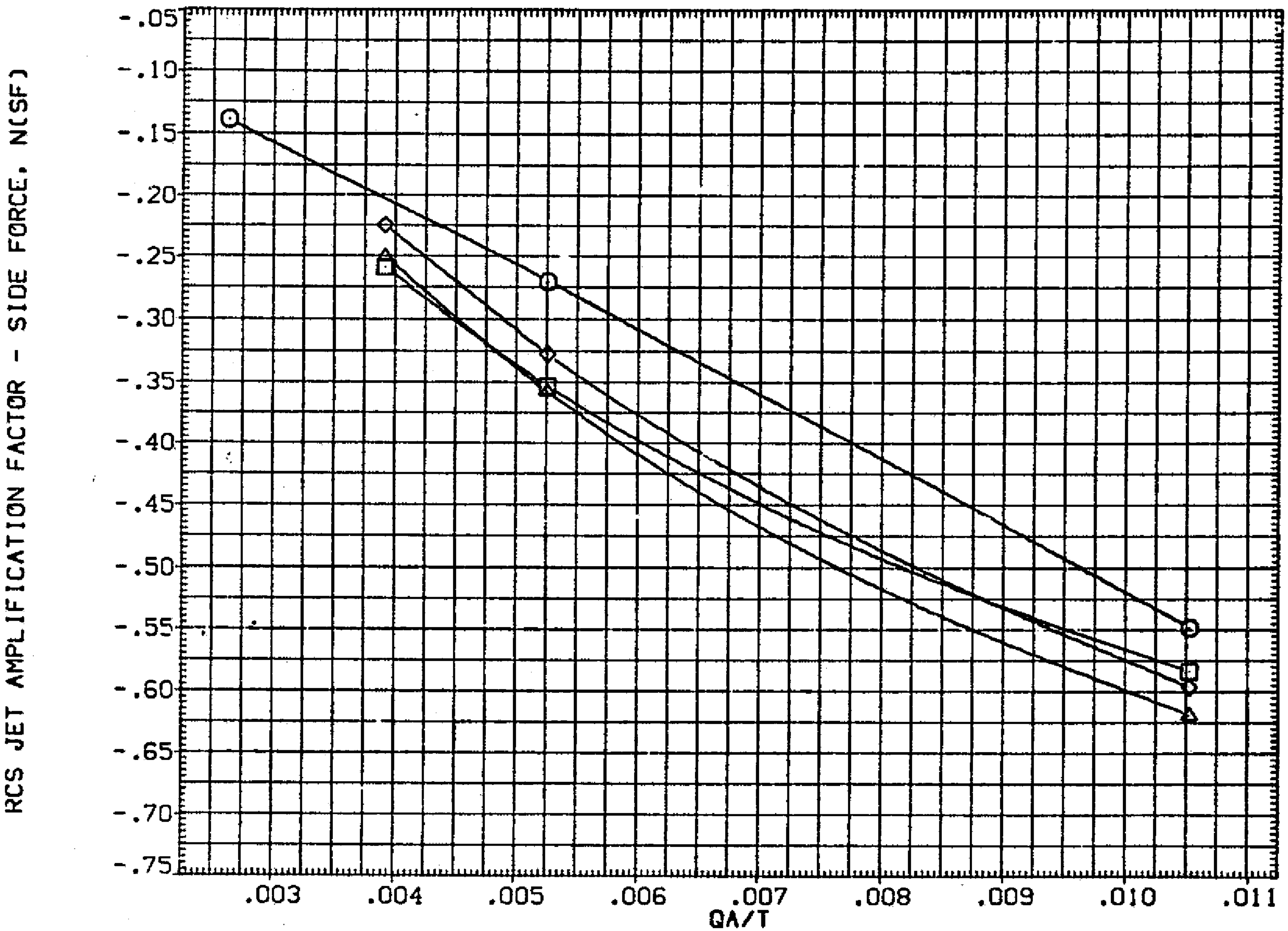

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(H)ALPHA = 6.00

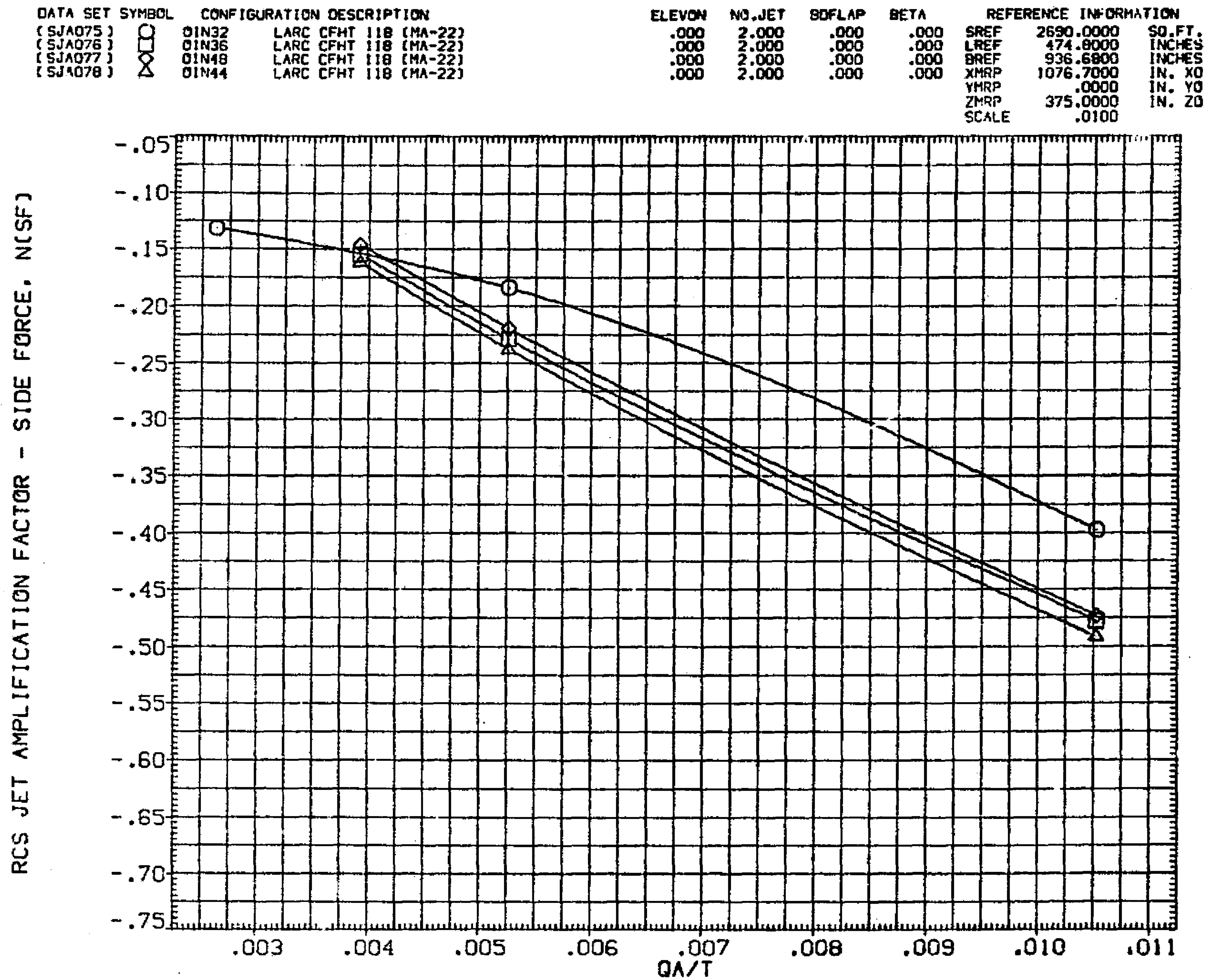

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

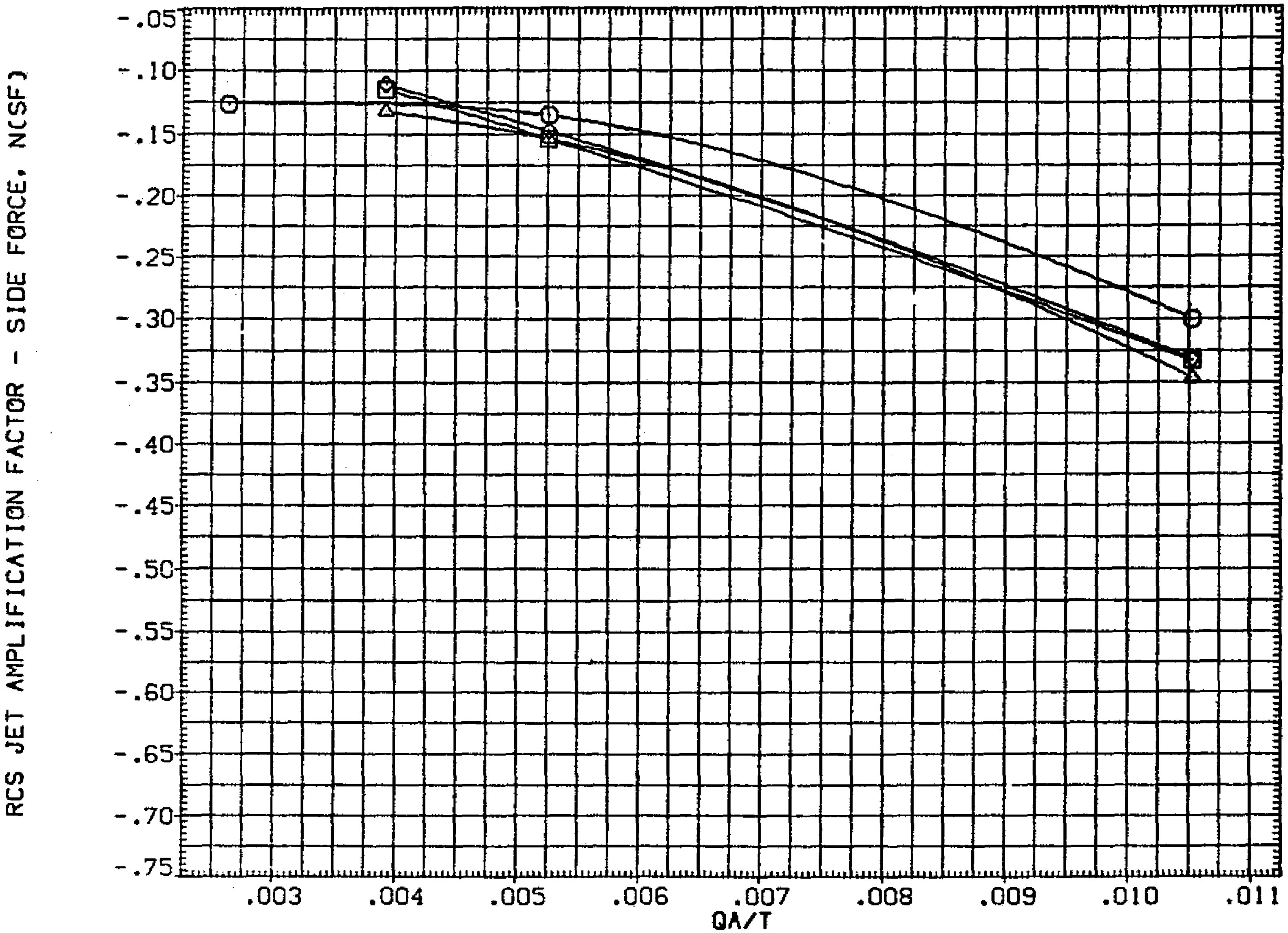

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	0IN32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	0IN36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	0IN48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	0IN44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

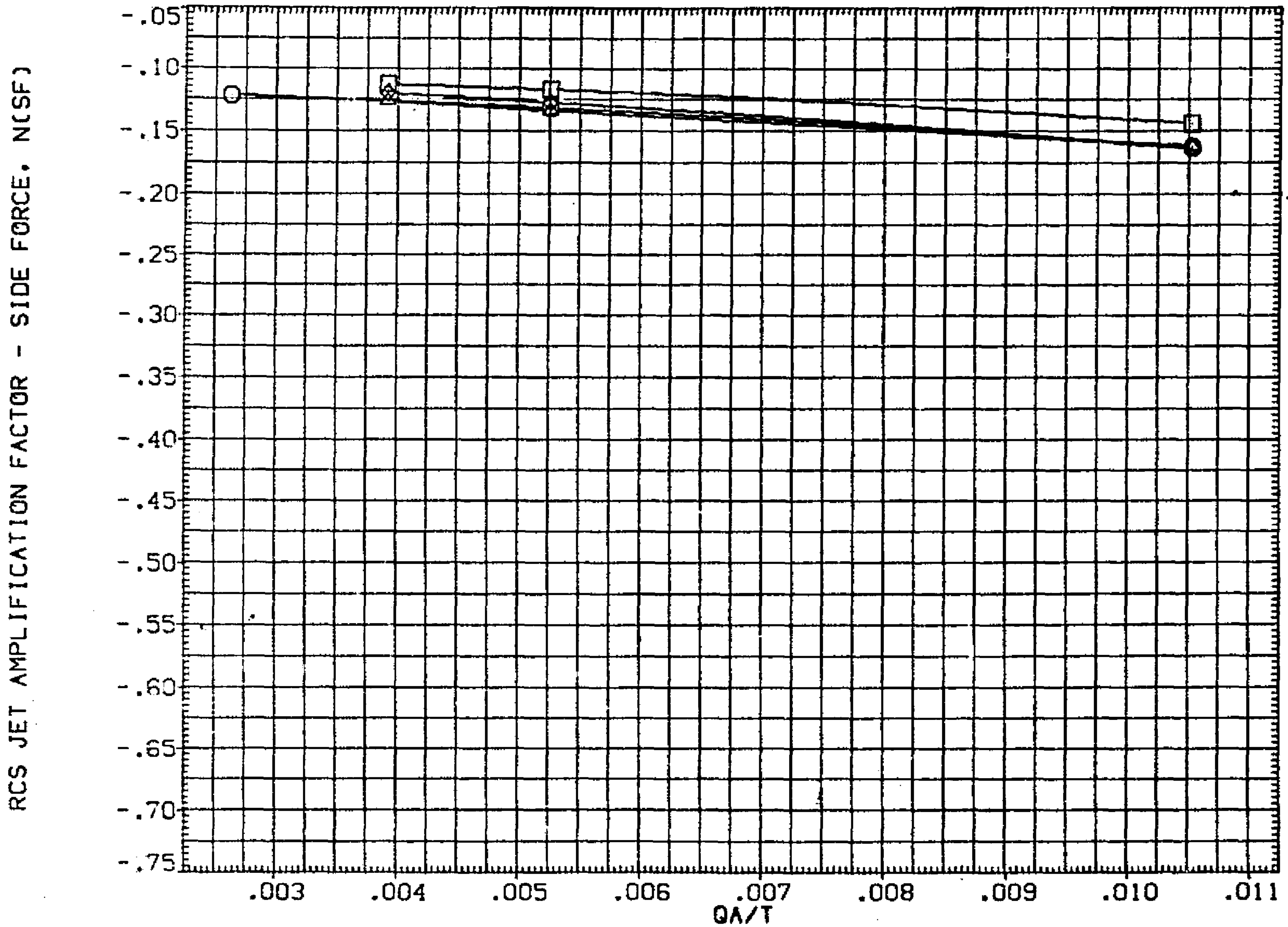

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

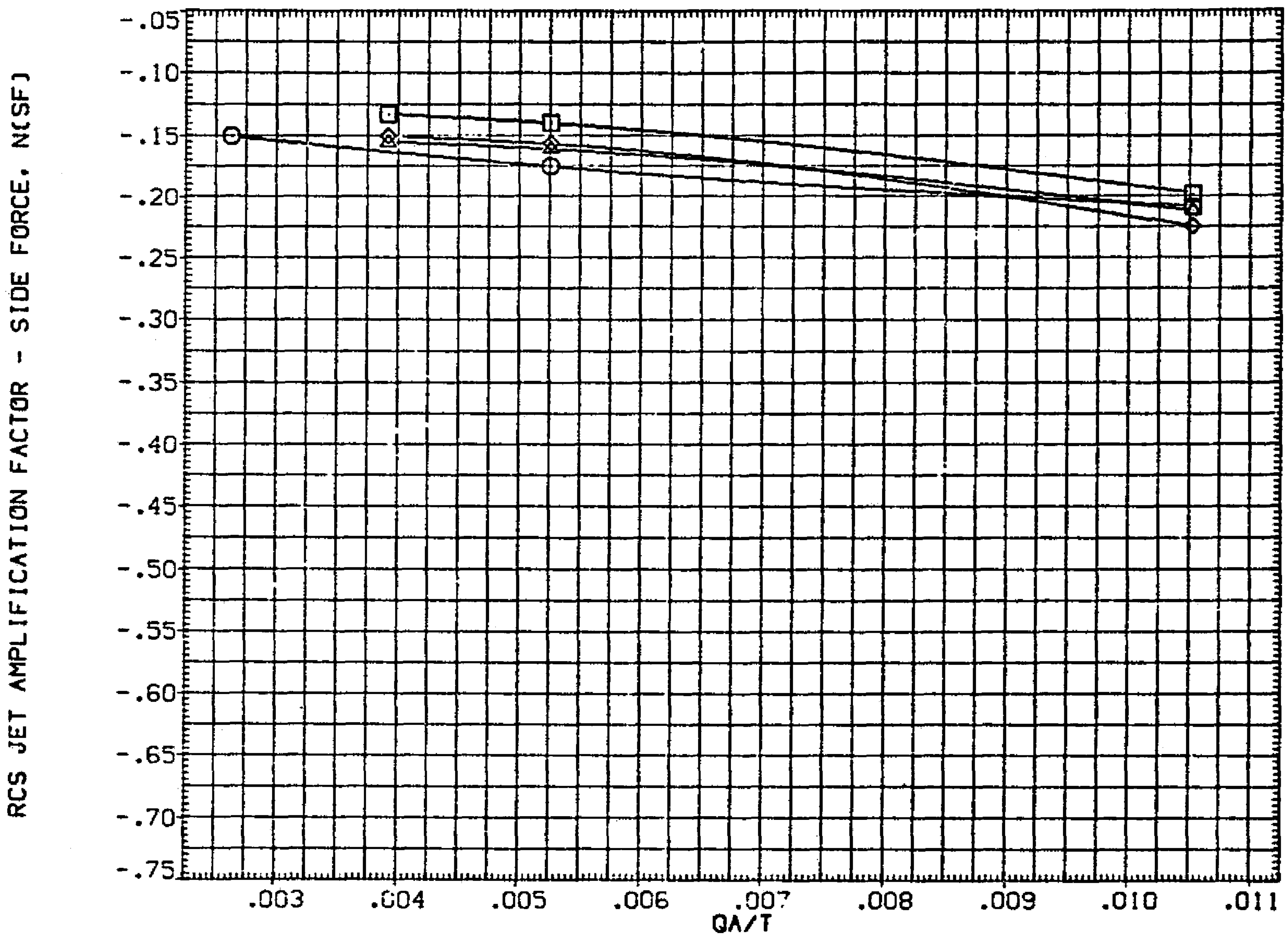

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(L)ALPHA = 20.00

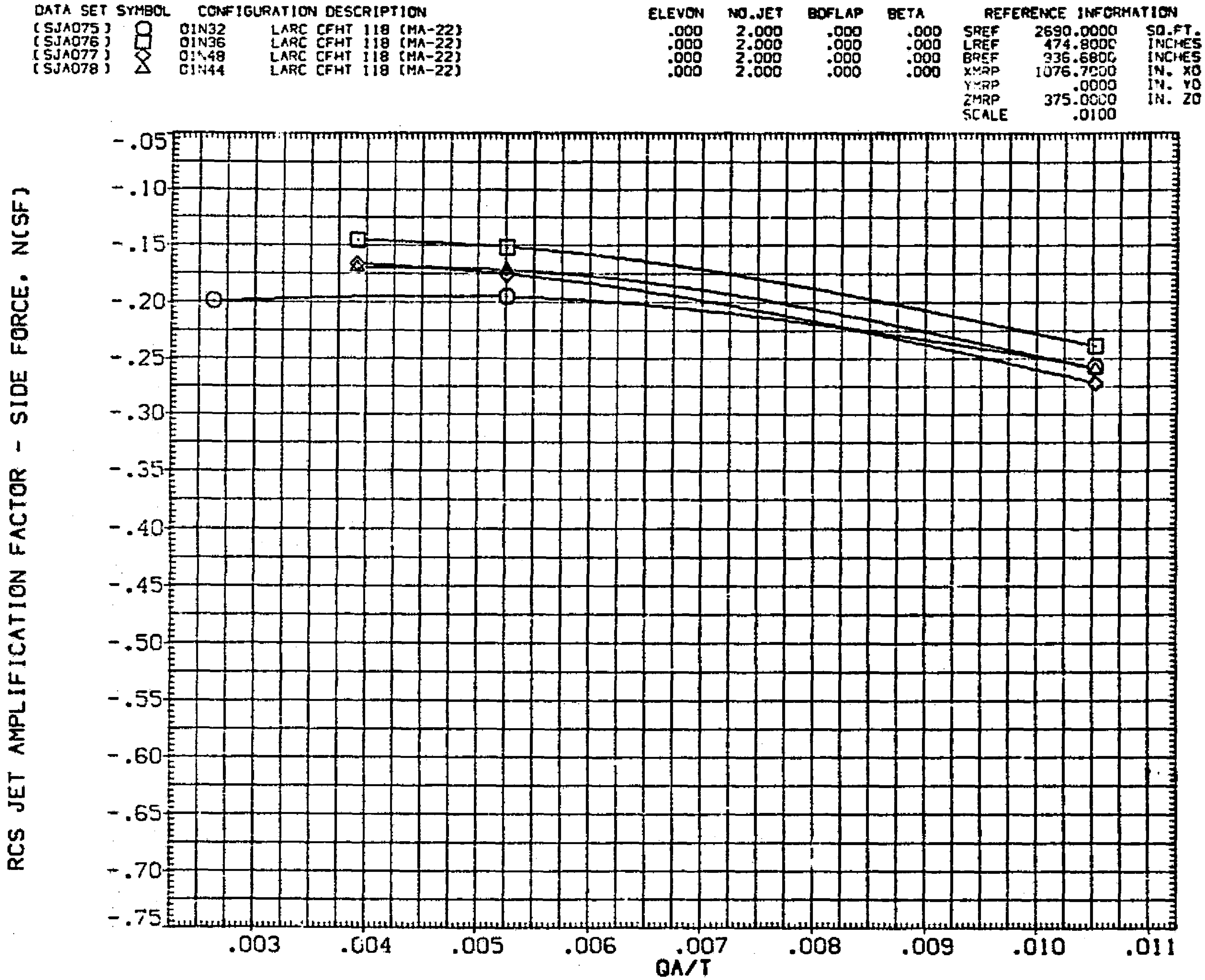

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

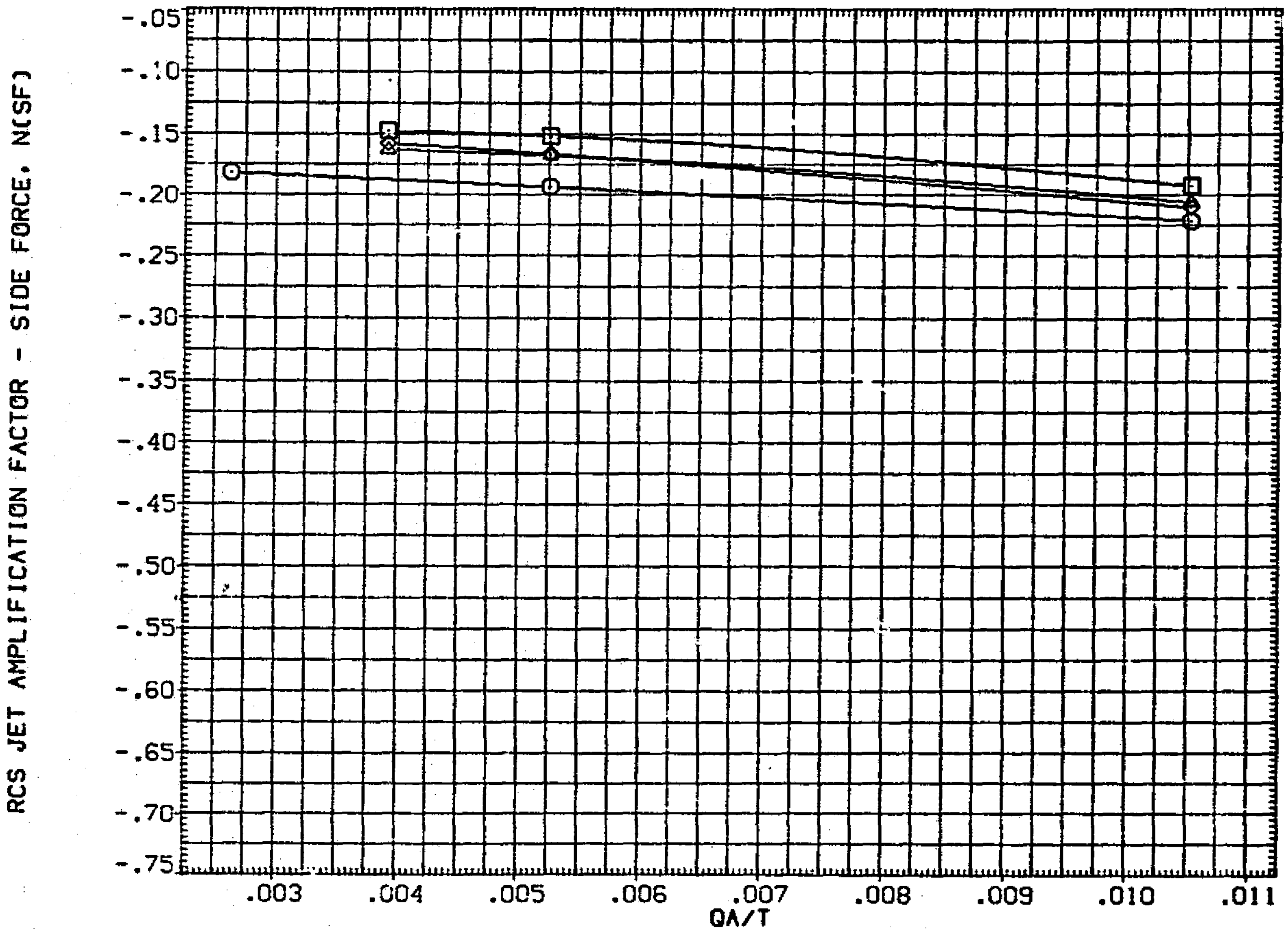

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA075)	○	01N32	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA076)	□	01N36	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA077)	◇	01N48	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA078)	△	01N44	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

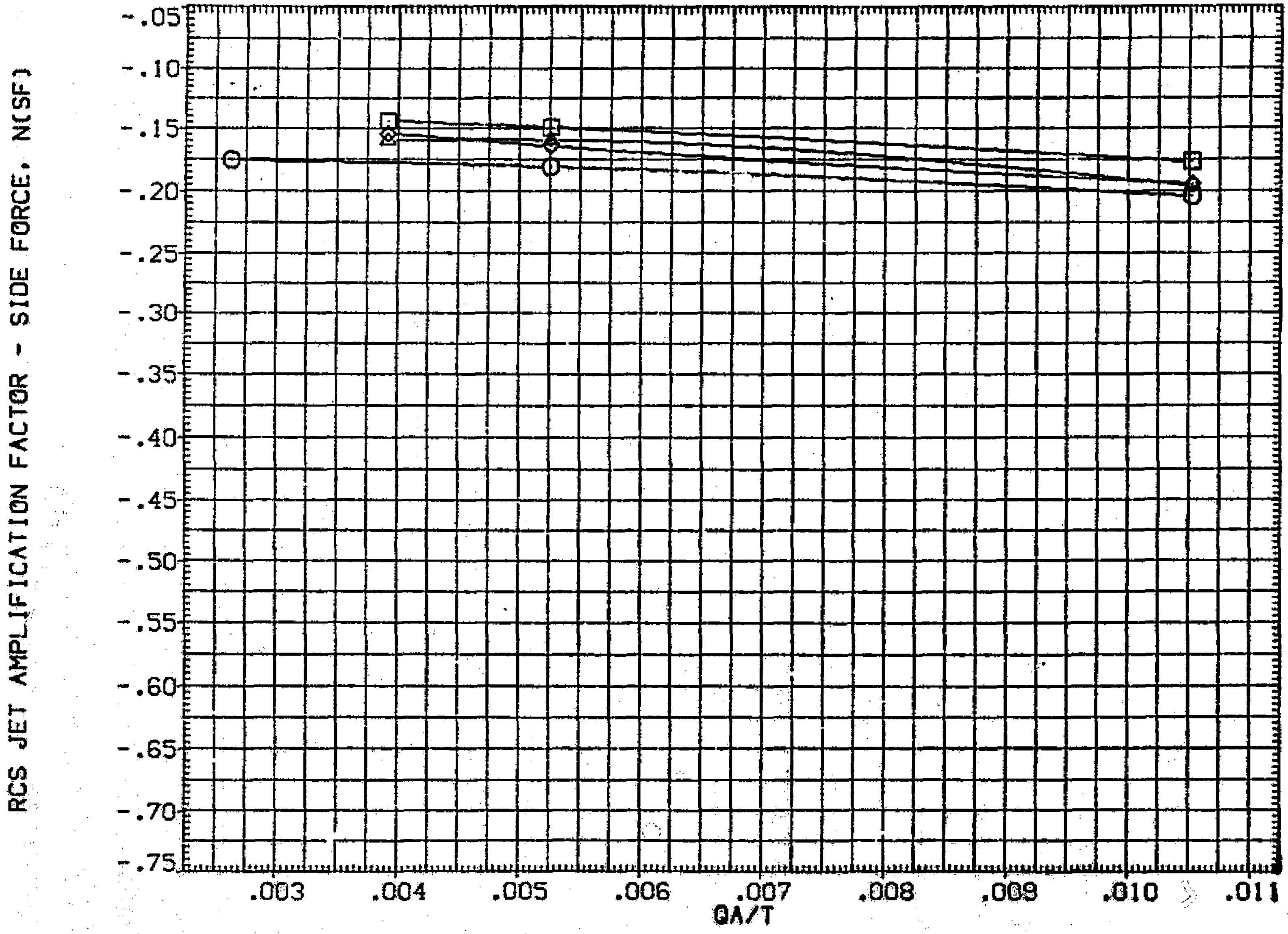

FIGURE 94. AREA RATIO EFFECTS, R/H UP FIRING JETS

(O)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

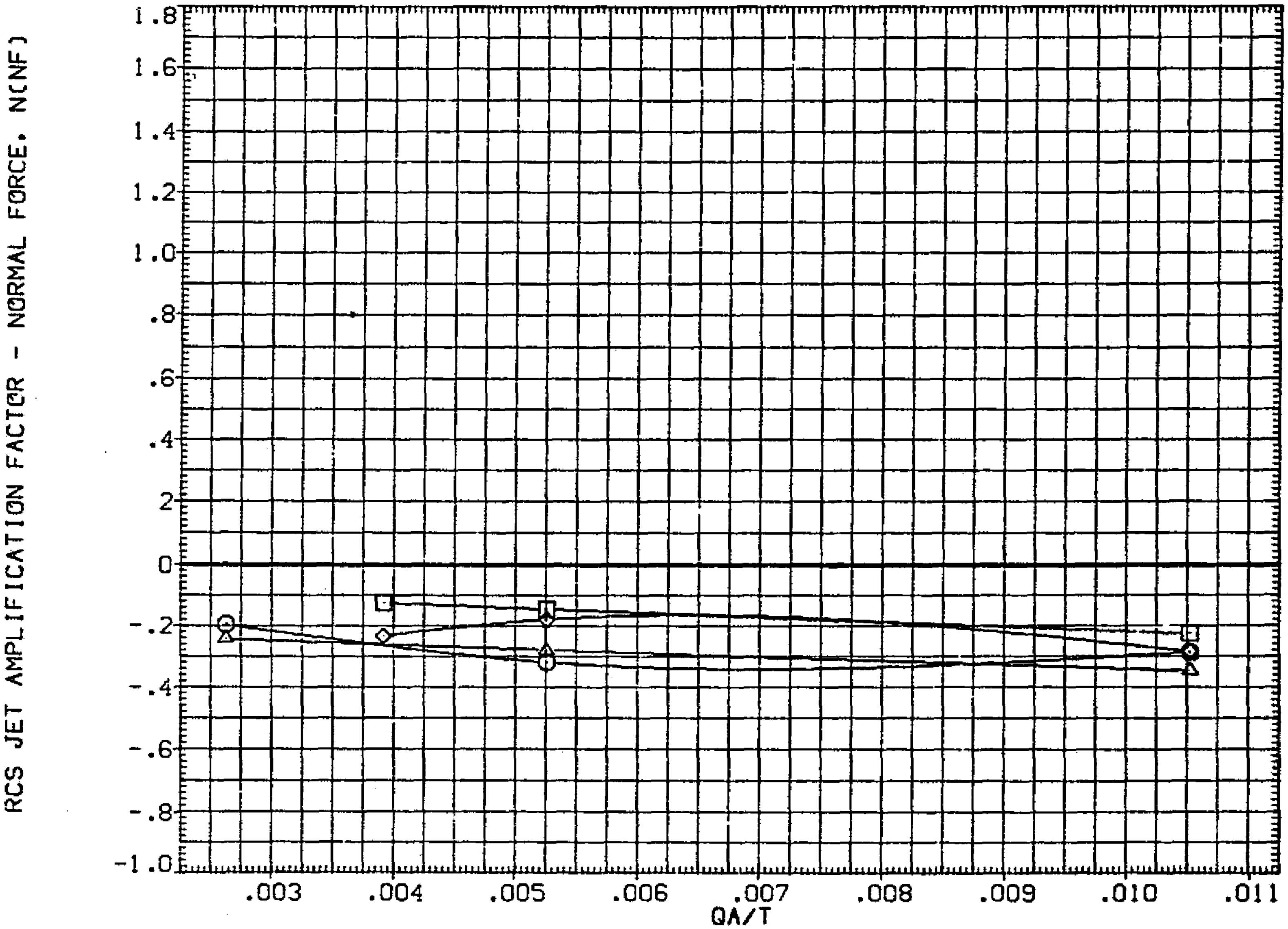

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

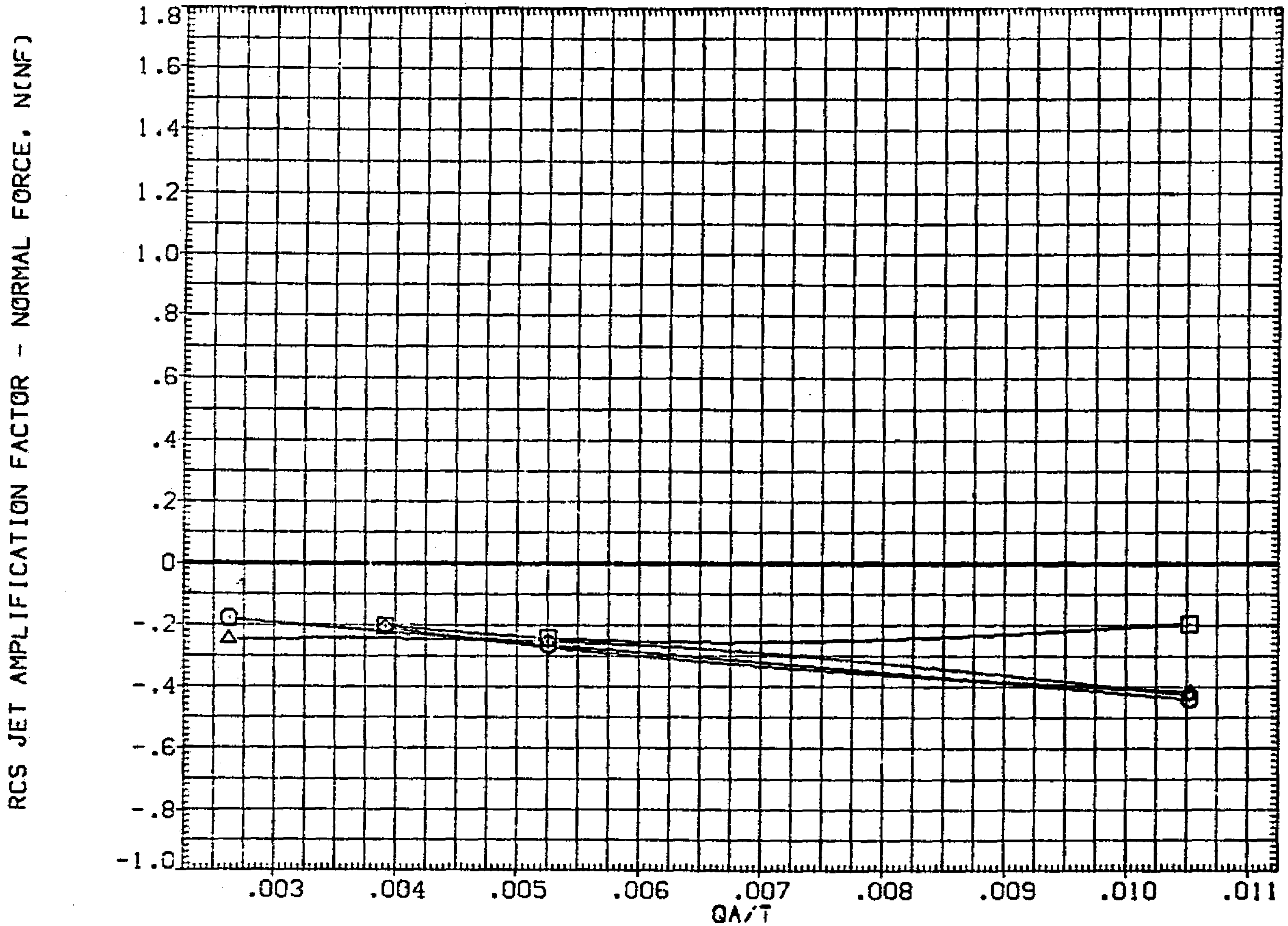

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

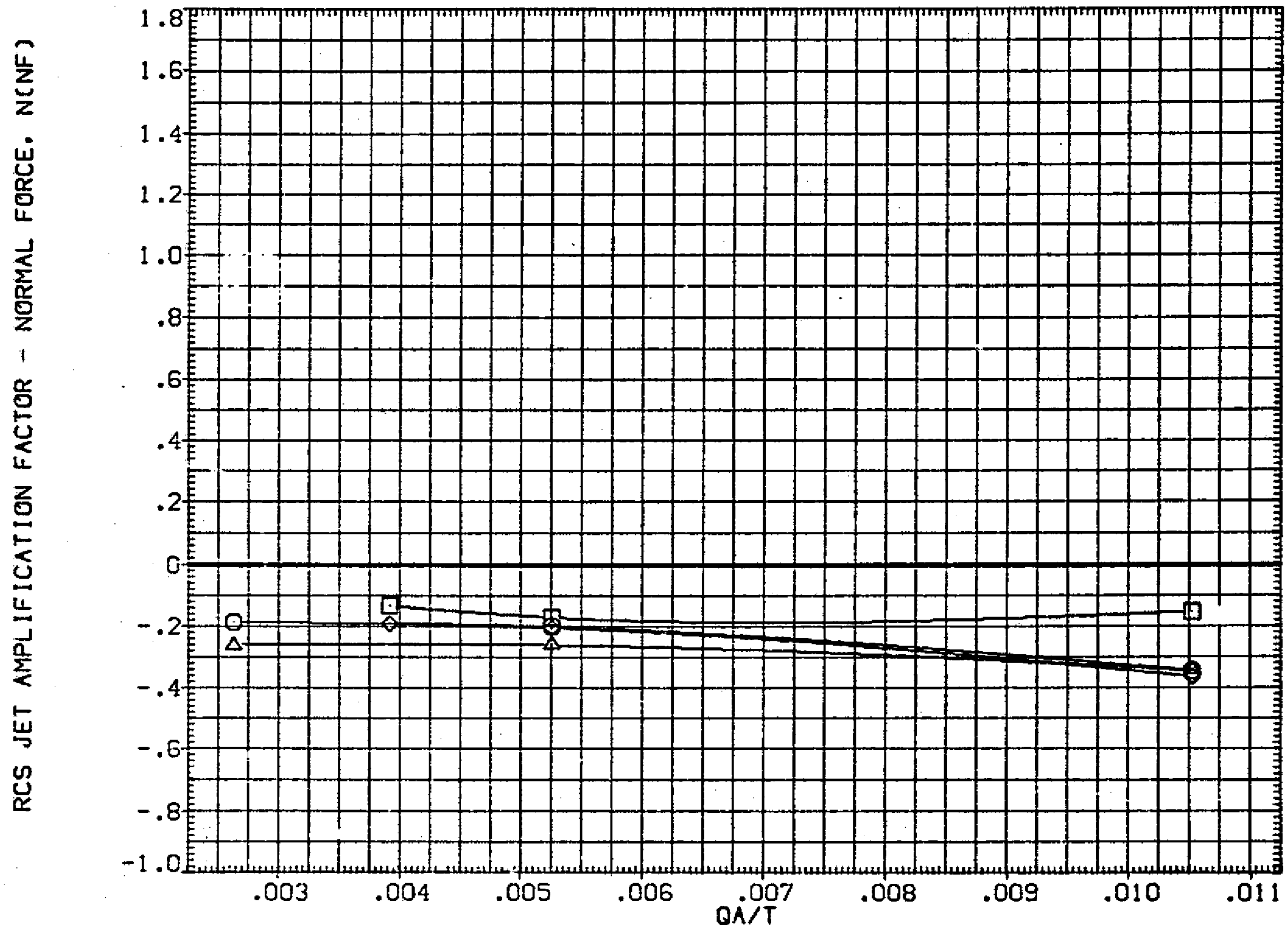

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
[SJA079]	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[SJA080]	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[SJA081]	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[SJA005]	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

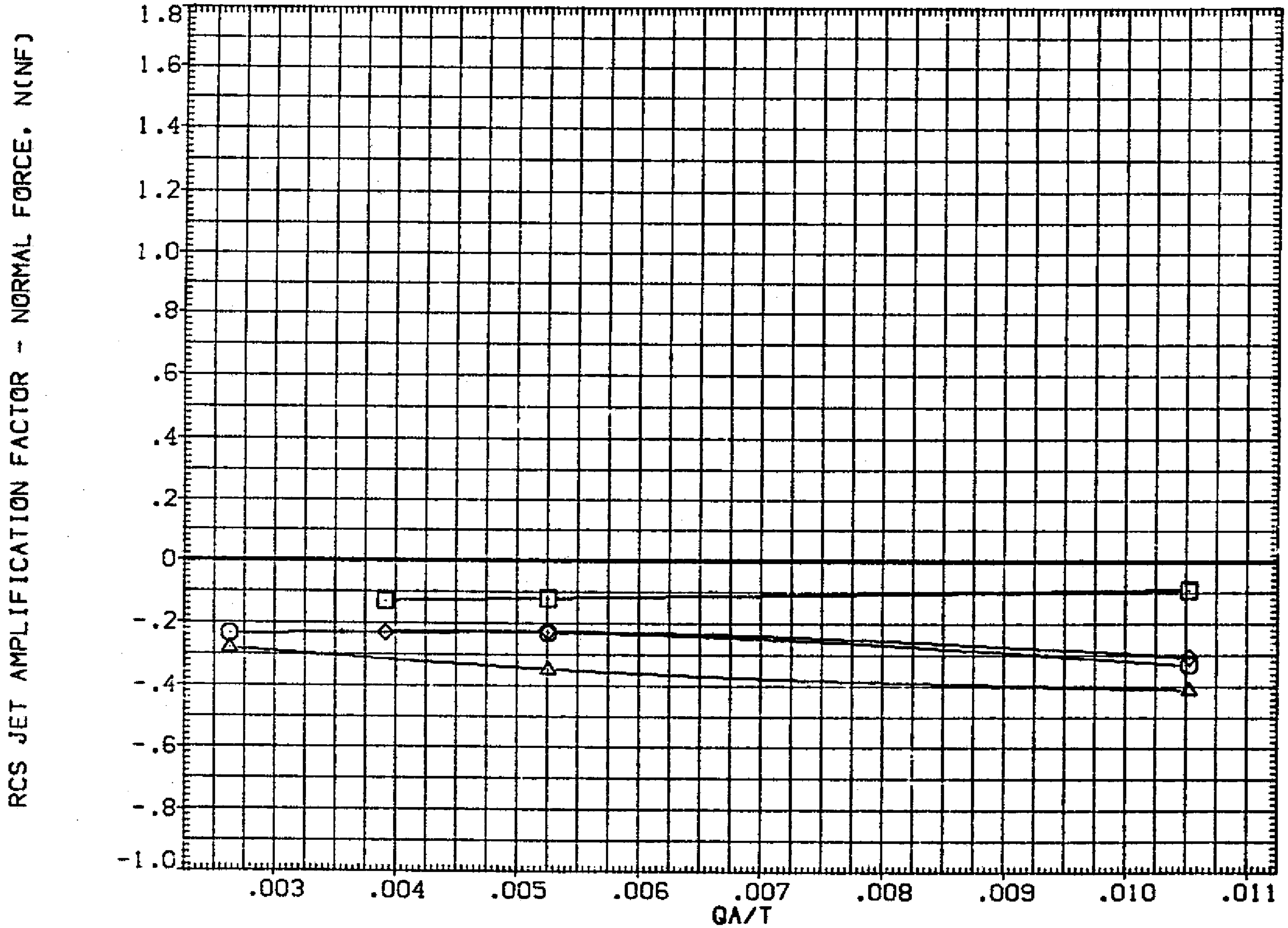

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA	REFERENCE INFORMATION		
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	SREF	2690.0000	SQ.FT.
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	LREF	474.8000	INCHES
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	BREF	936.6800	INCHES
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	XMRP	1076.7000	IN. XO
								YMRP	.0000	IN. YO
								ZMRP	375.0000	IN. ZO
								SCALE	.0100	

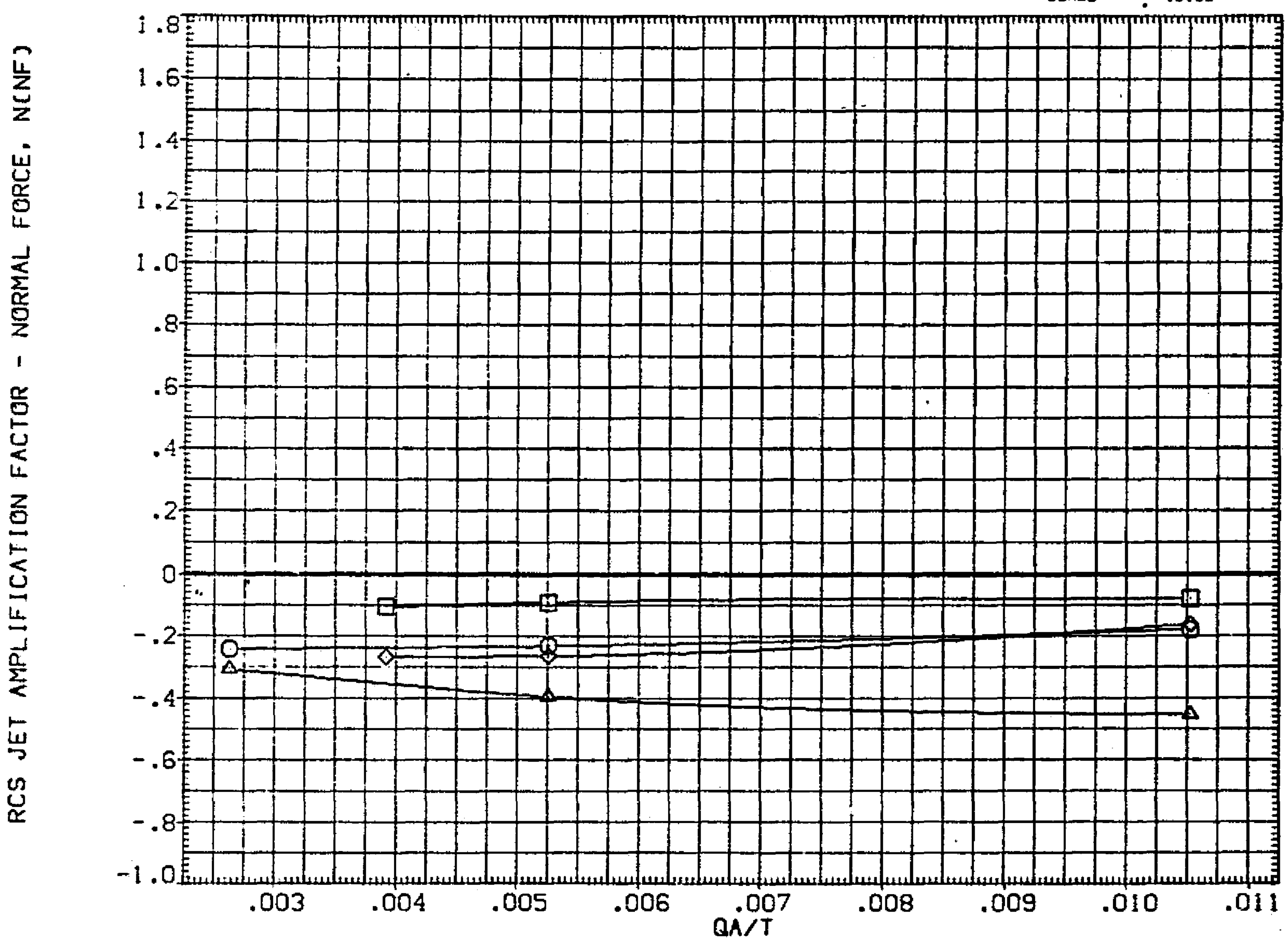

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

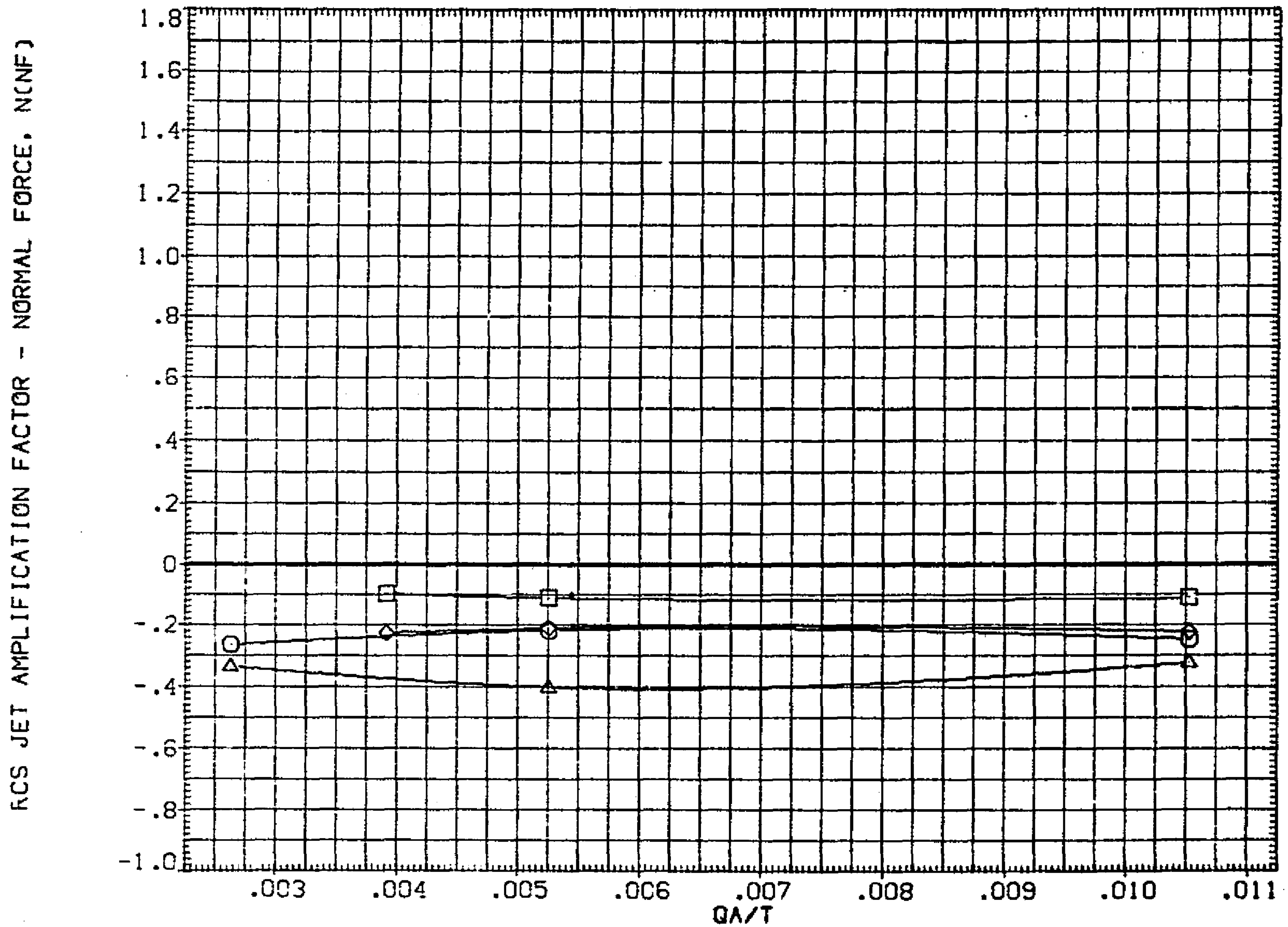

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

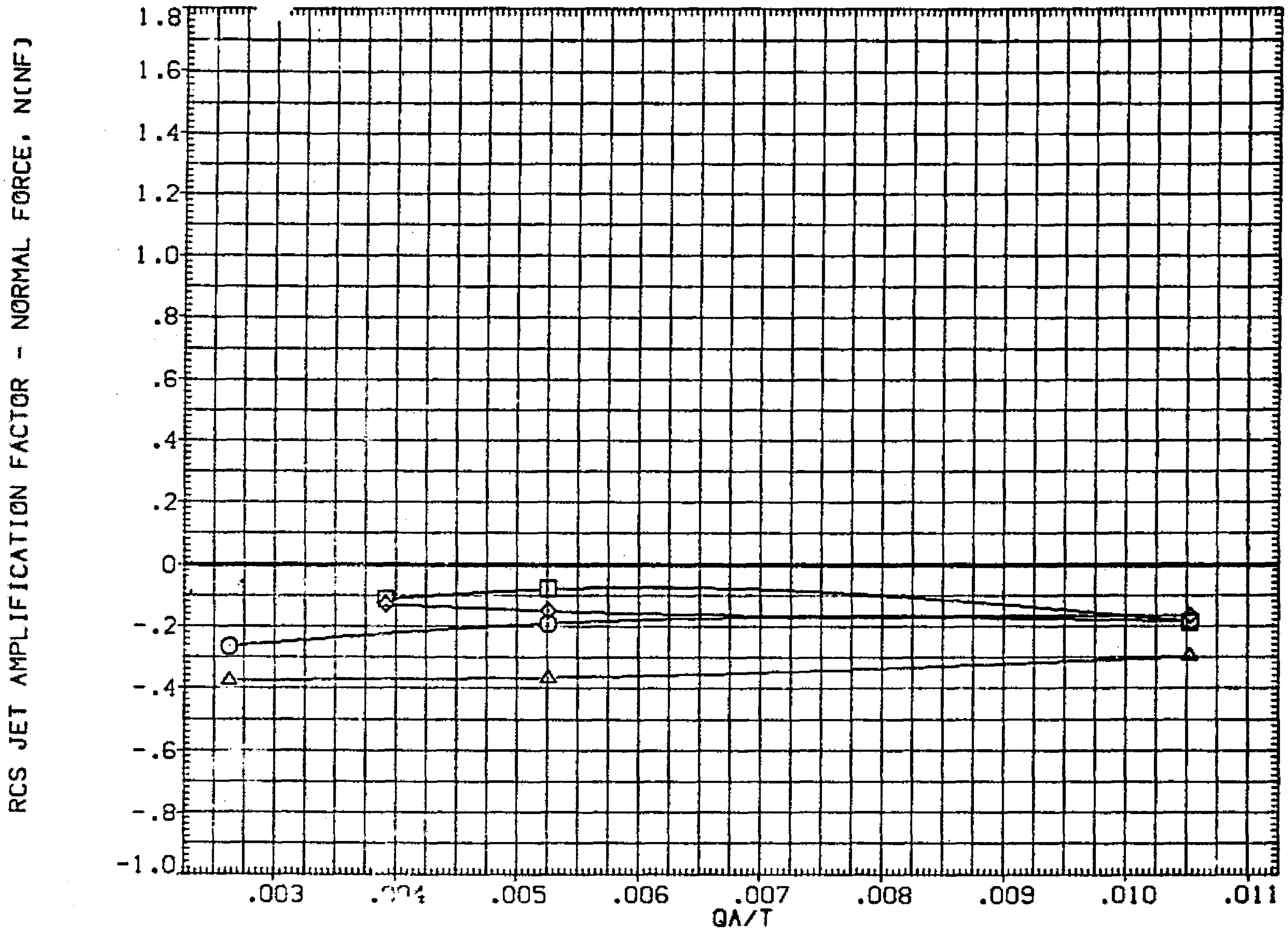

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(G)ALPHA = 4.00

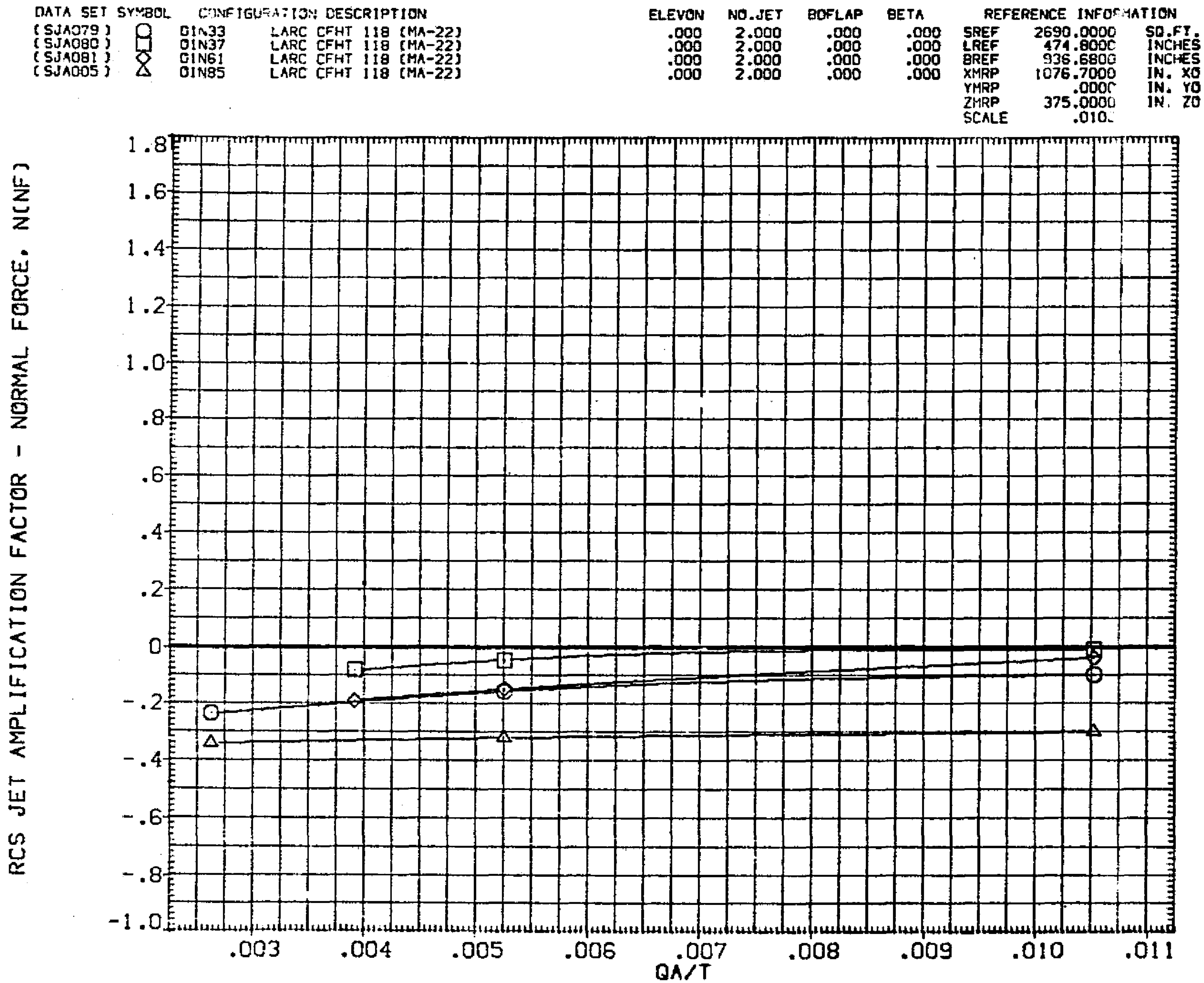

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

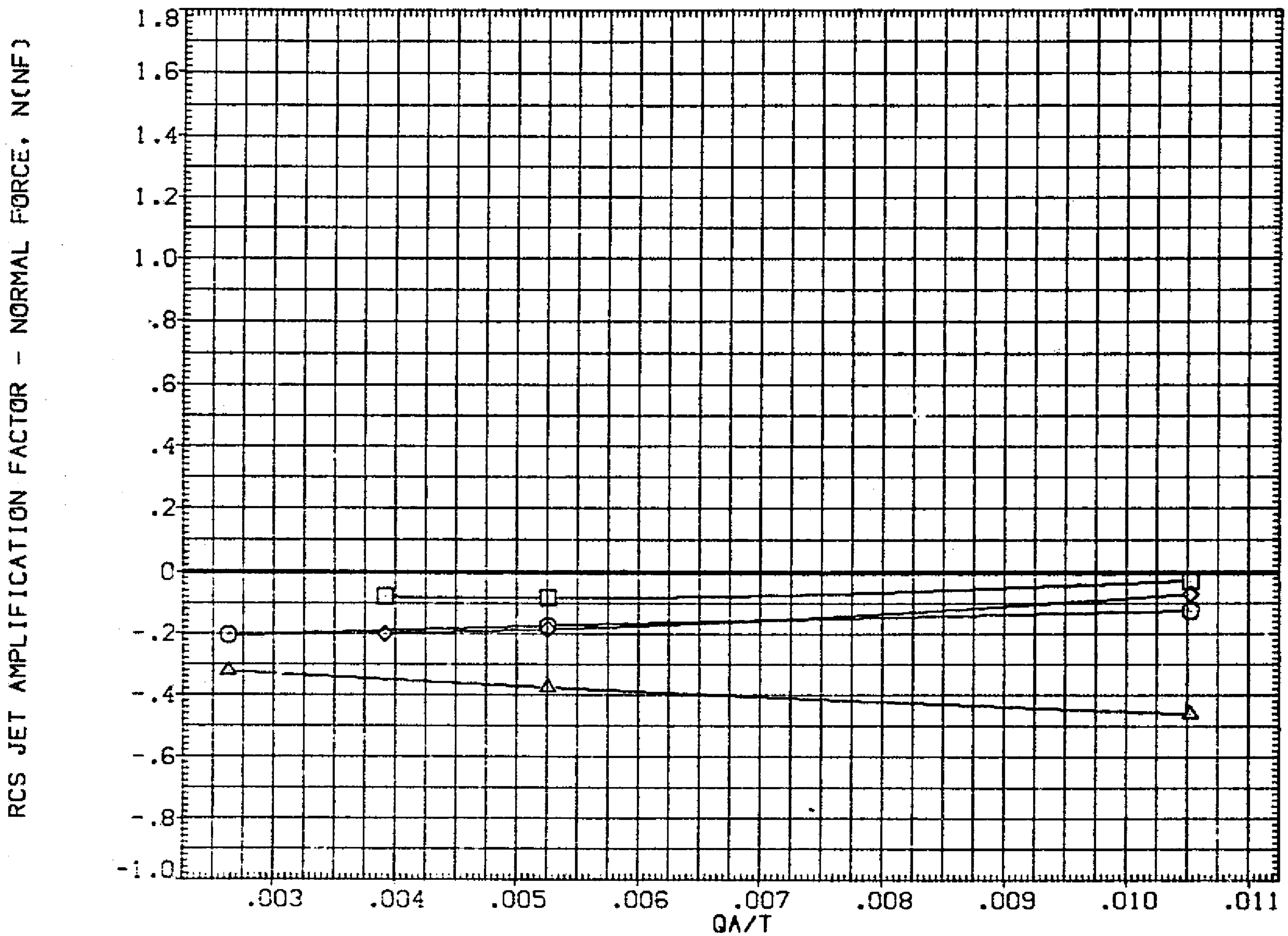

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

( )ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

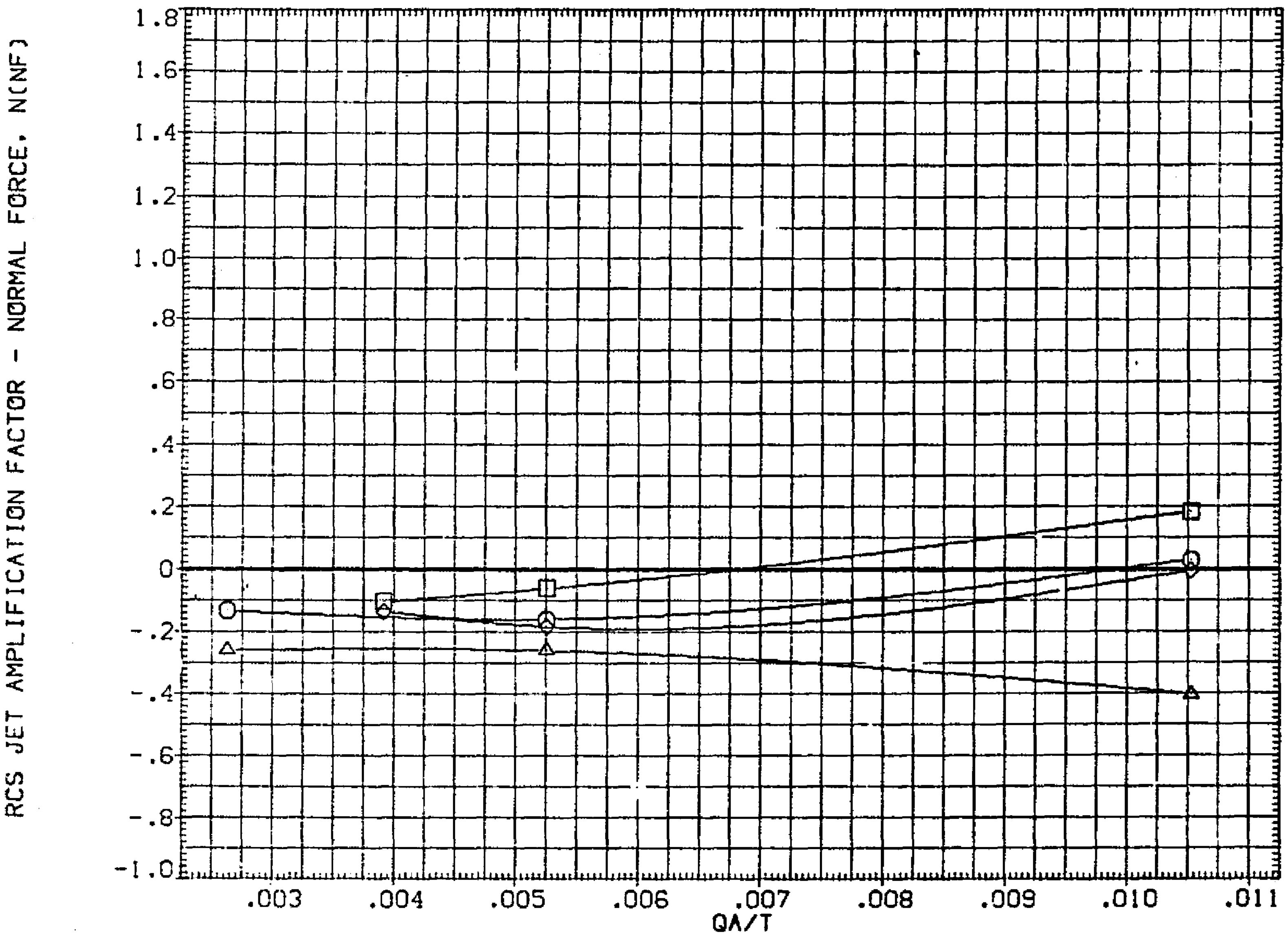

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

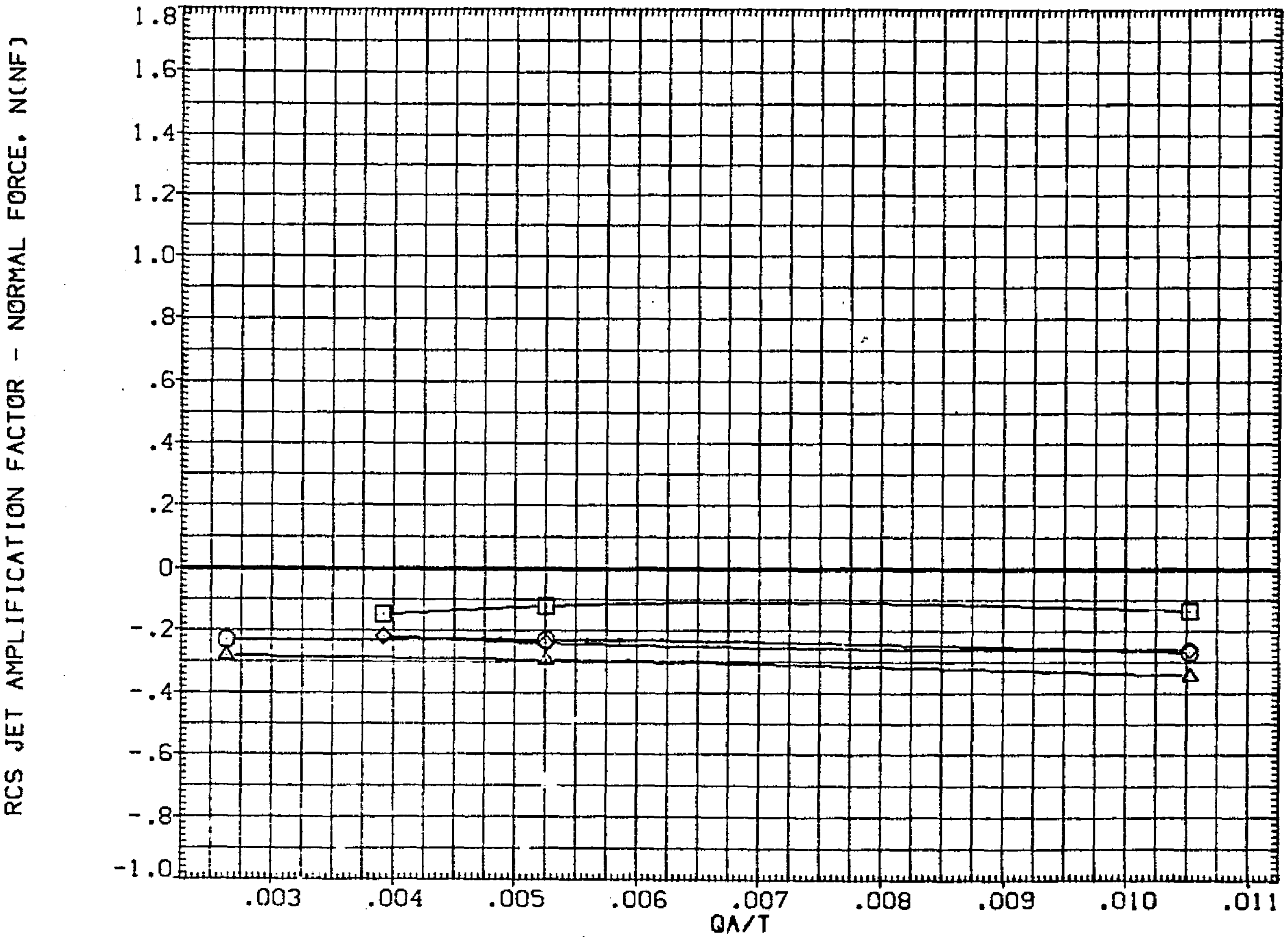

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

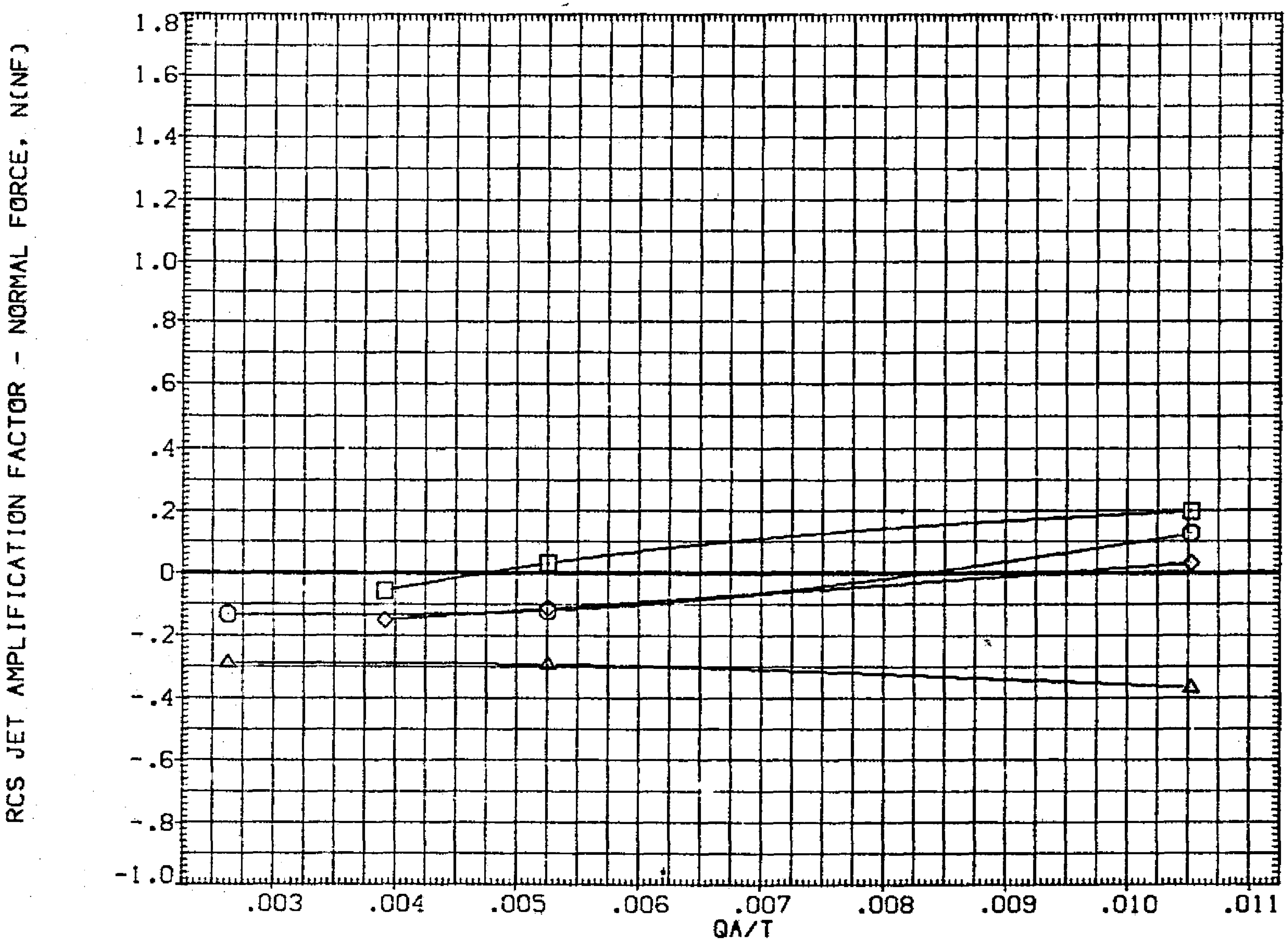

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

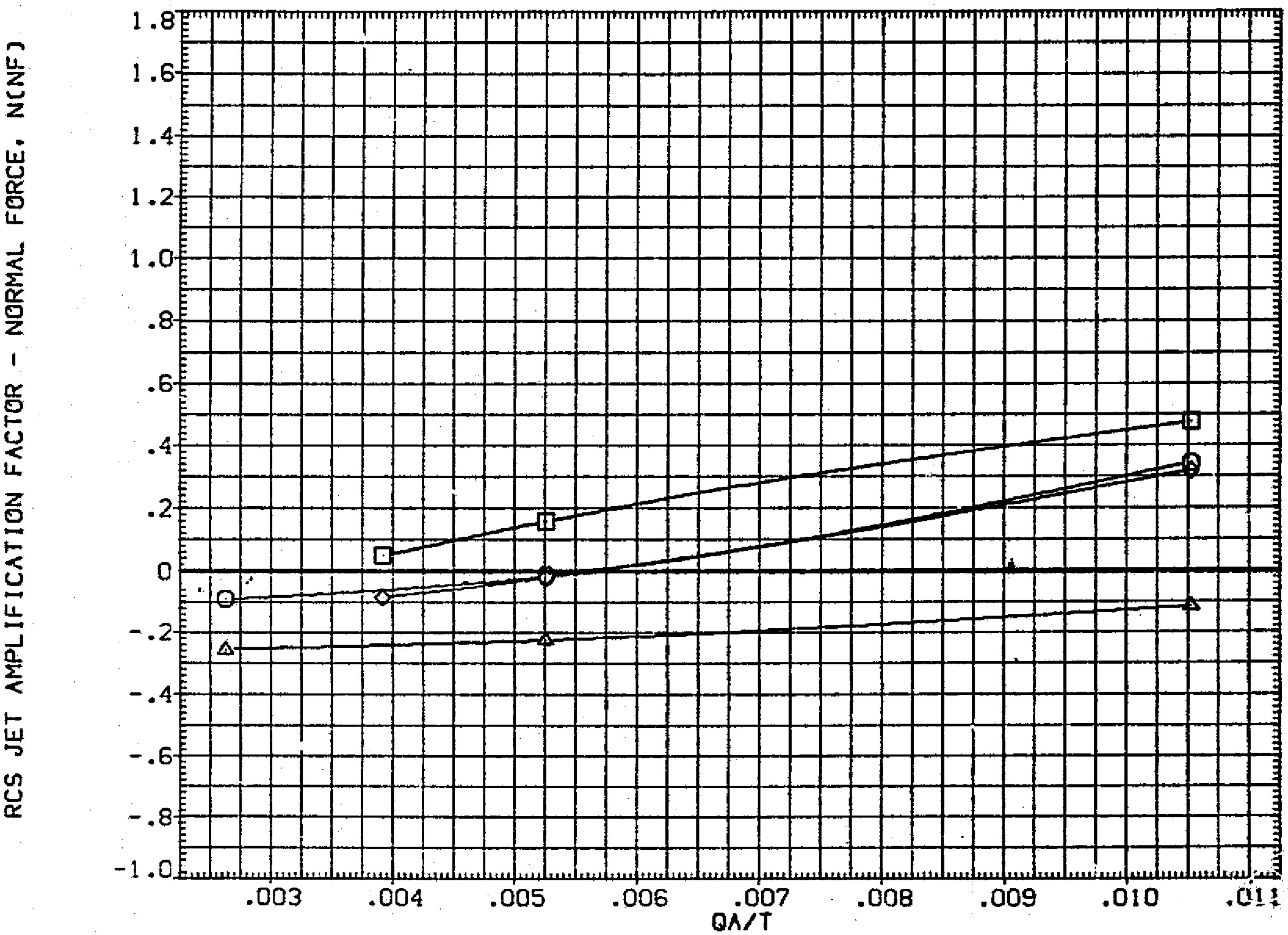

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(M)ALPHA = 25.00

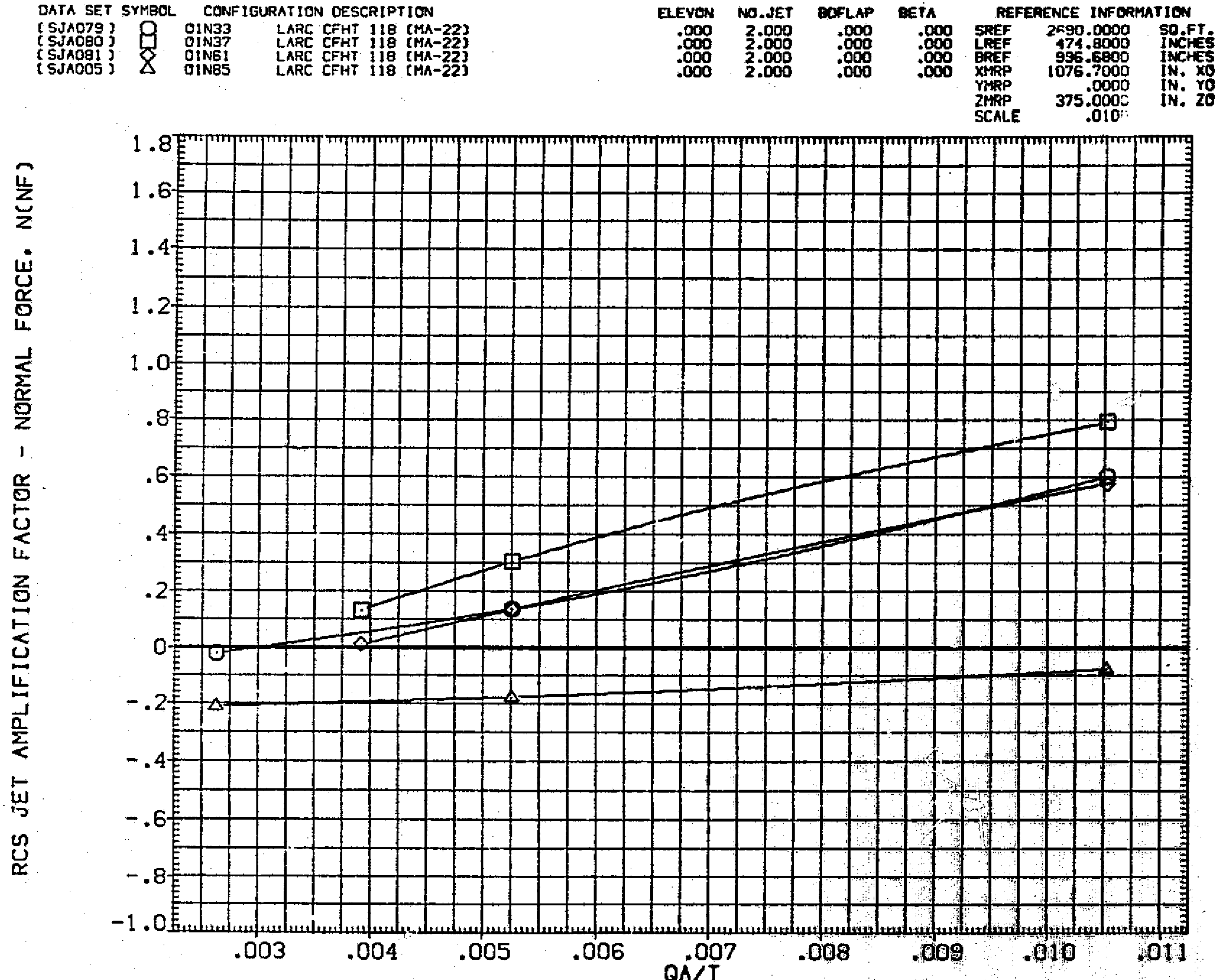

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(N)ALPHA = 30.00

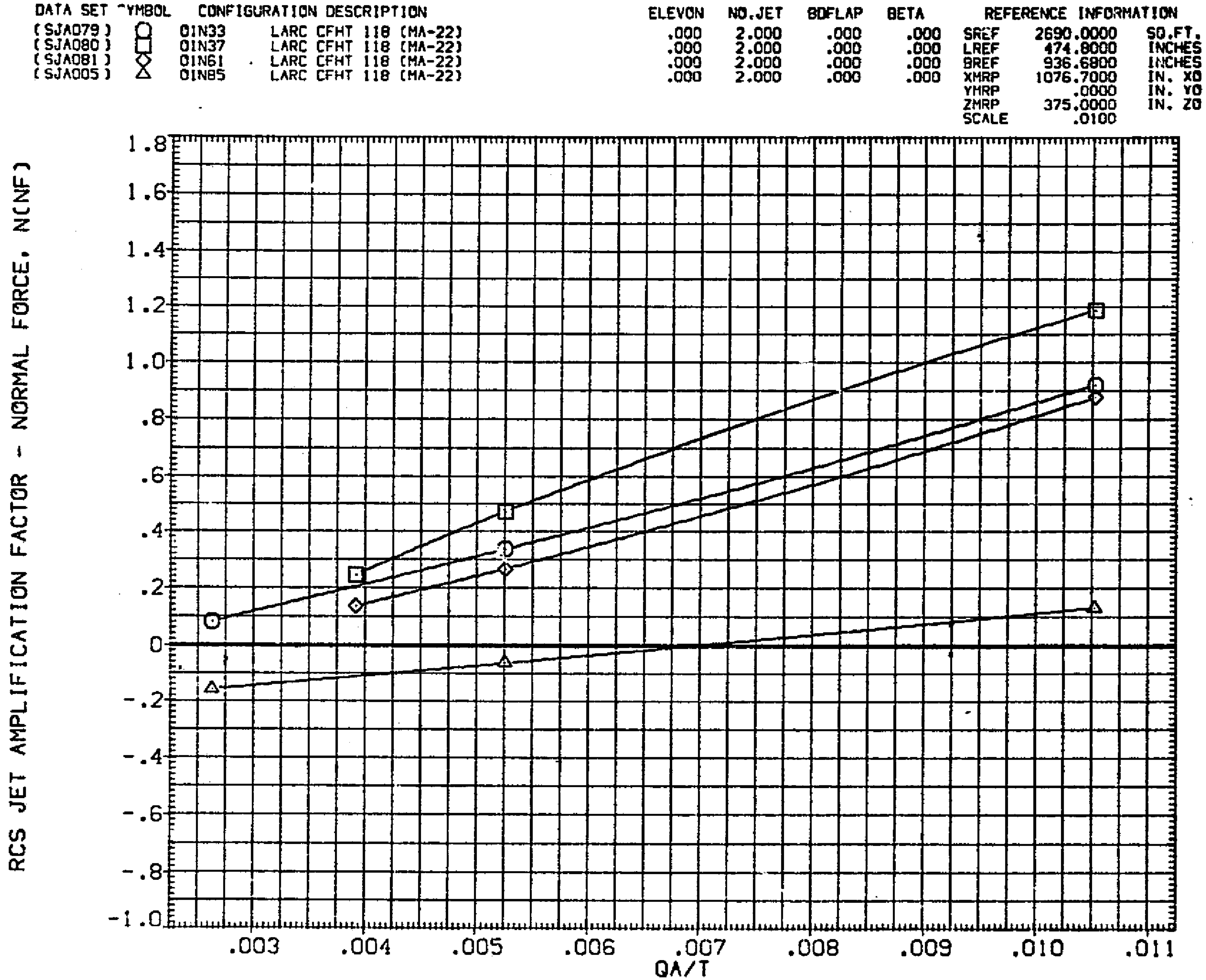

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS
(C)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	0IN33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	0IN37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	0IN61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	0IN85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

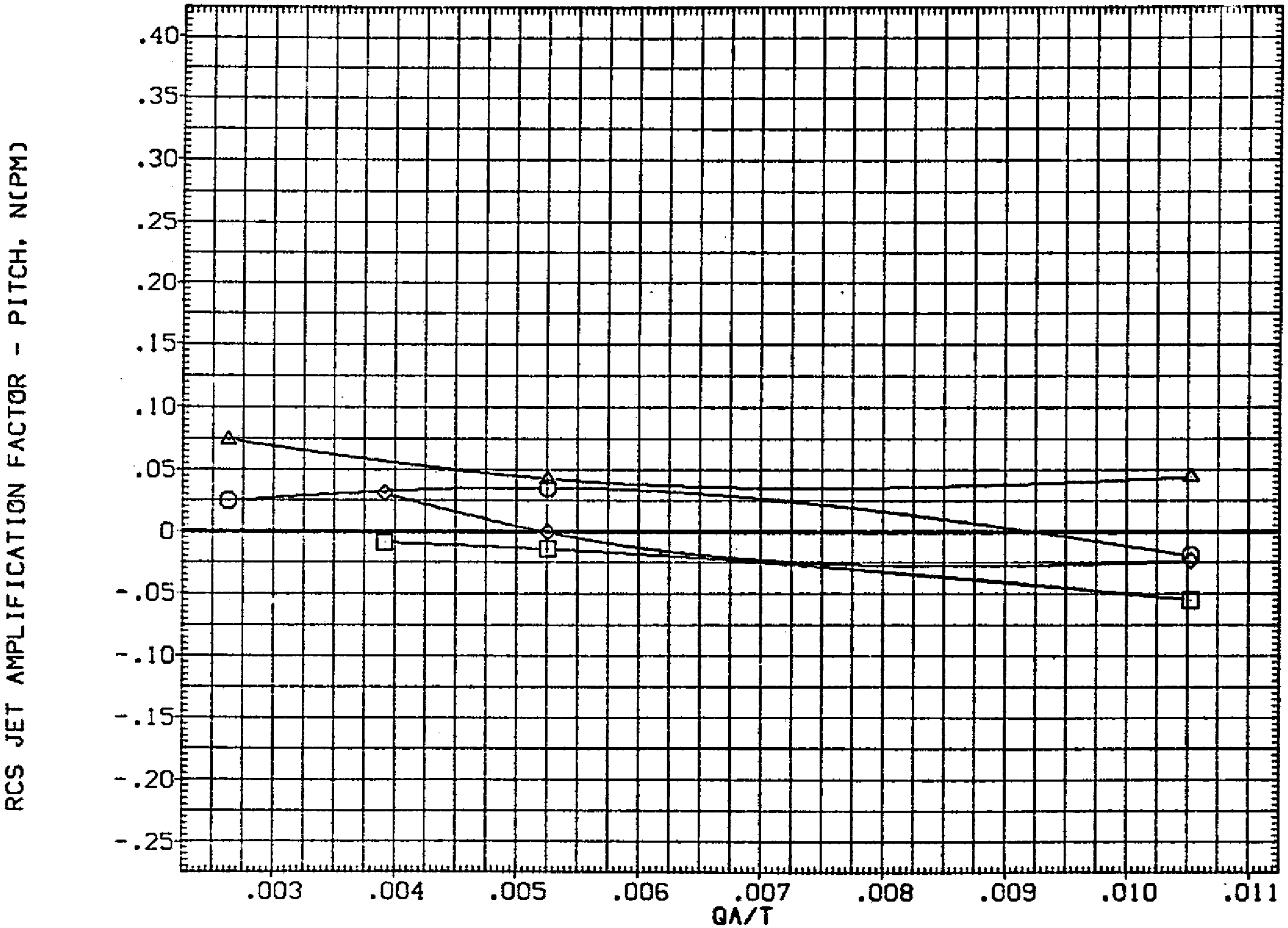

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

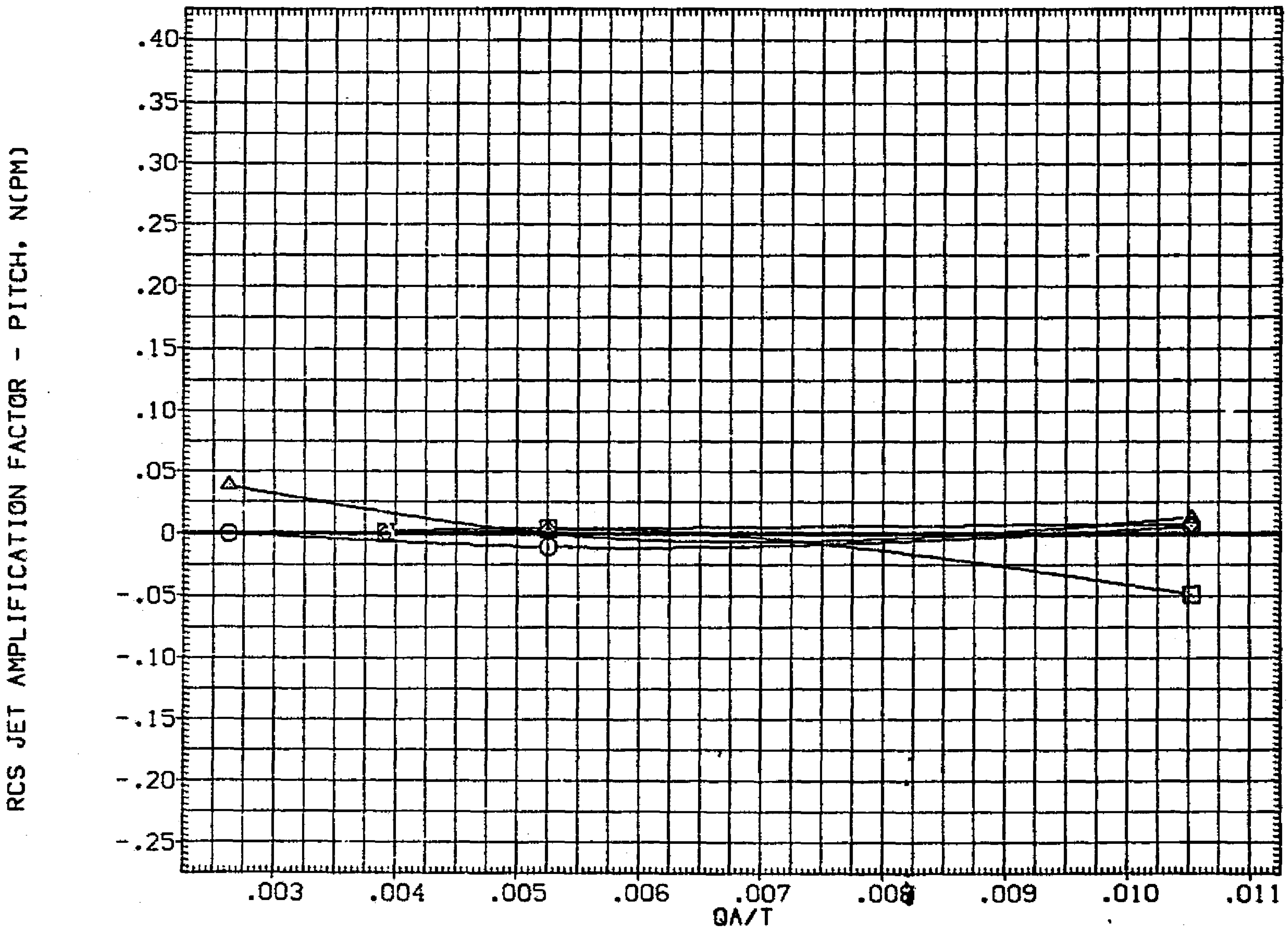

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

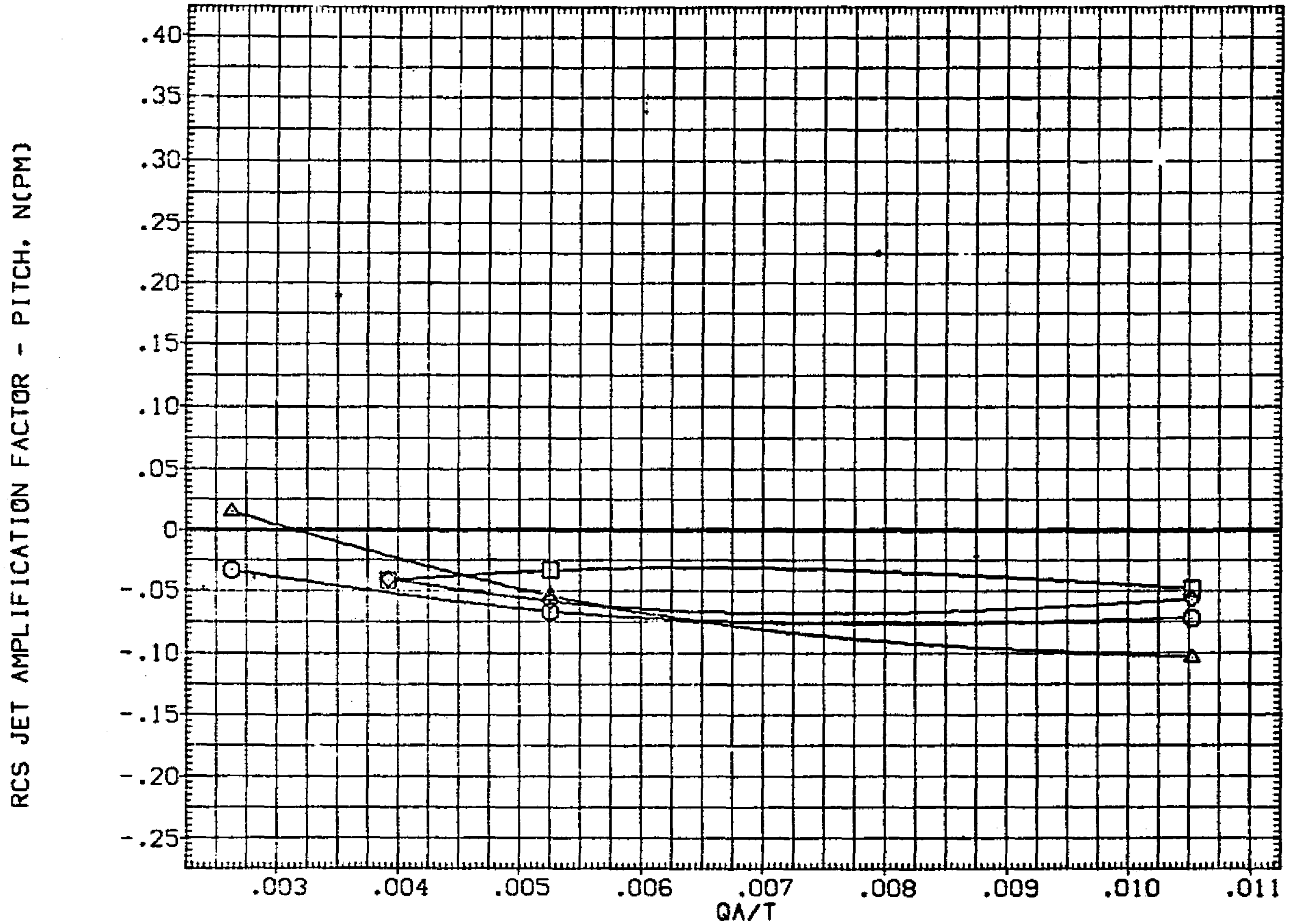

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	0IN33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	0IN37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	0IN61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	0IN85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

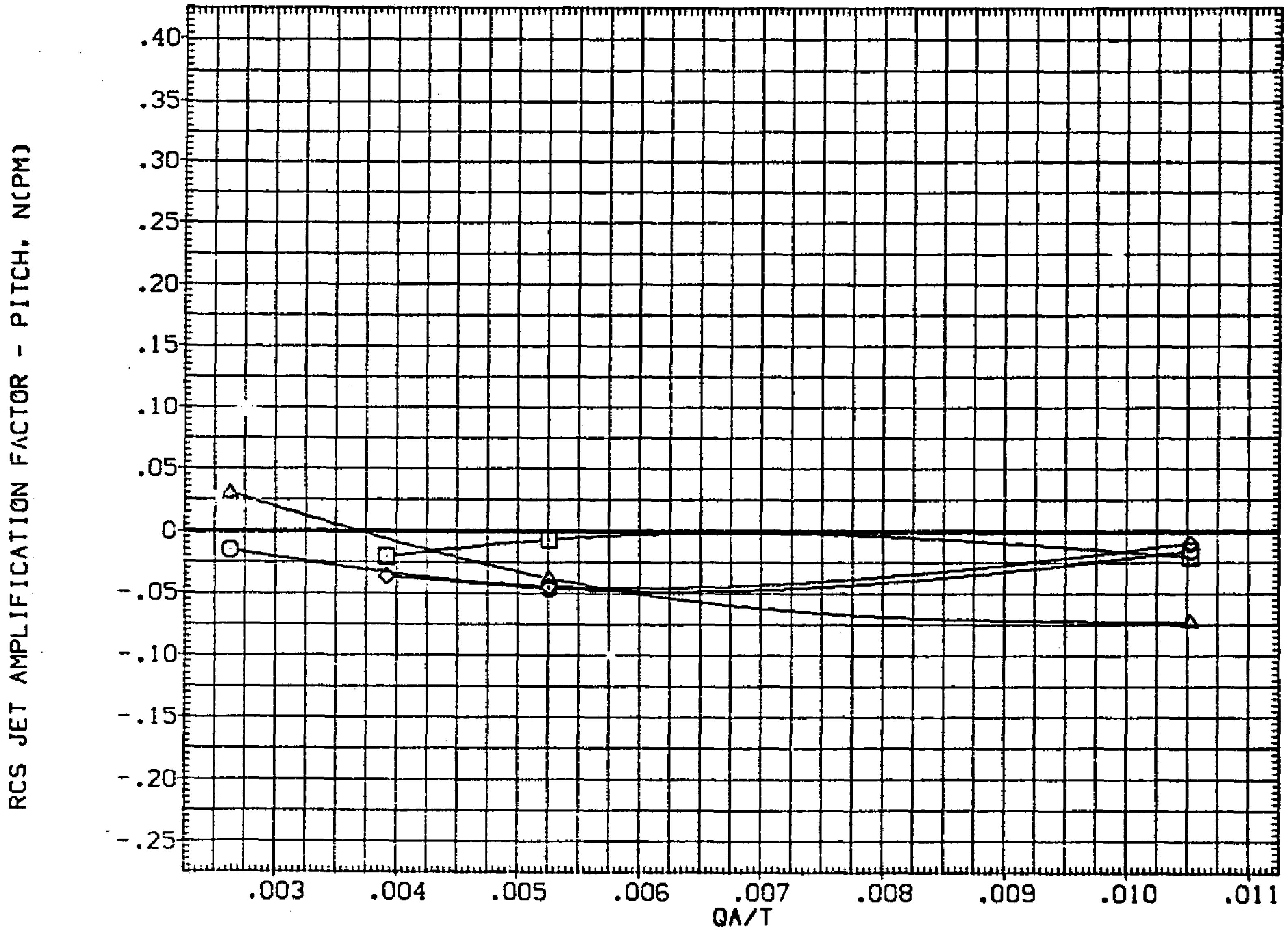

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJAC05)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

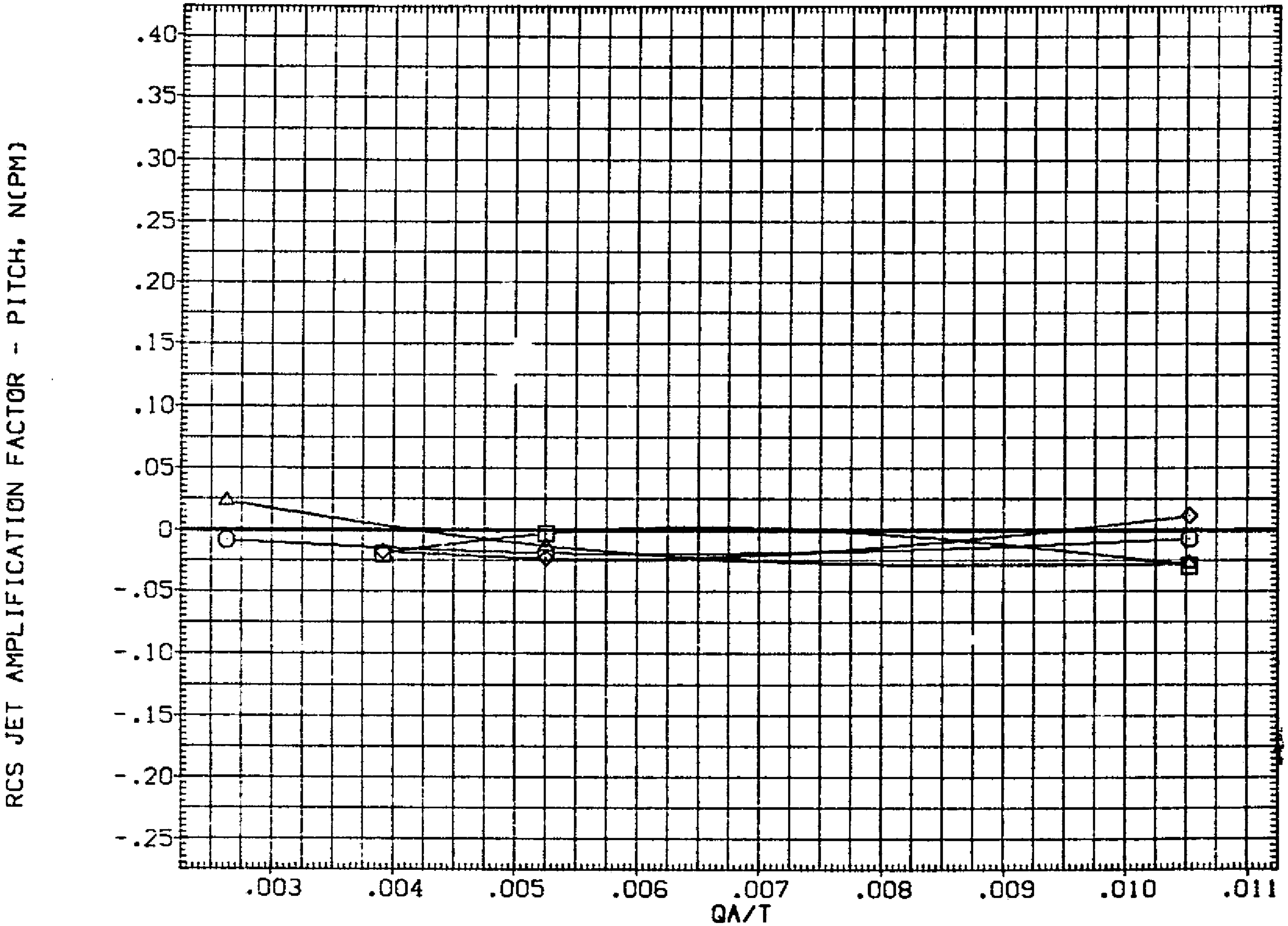

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

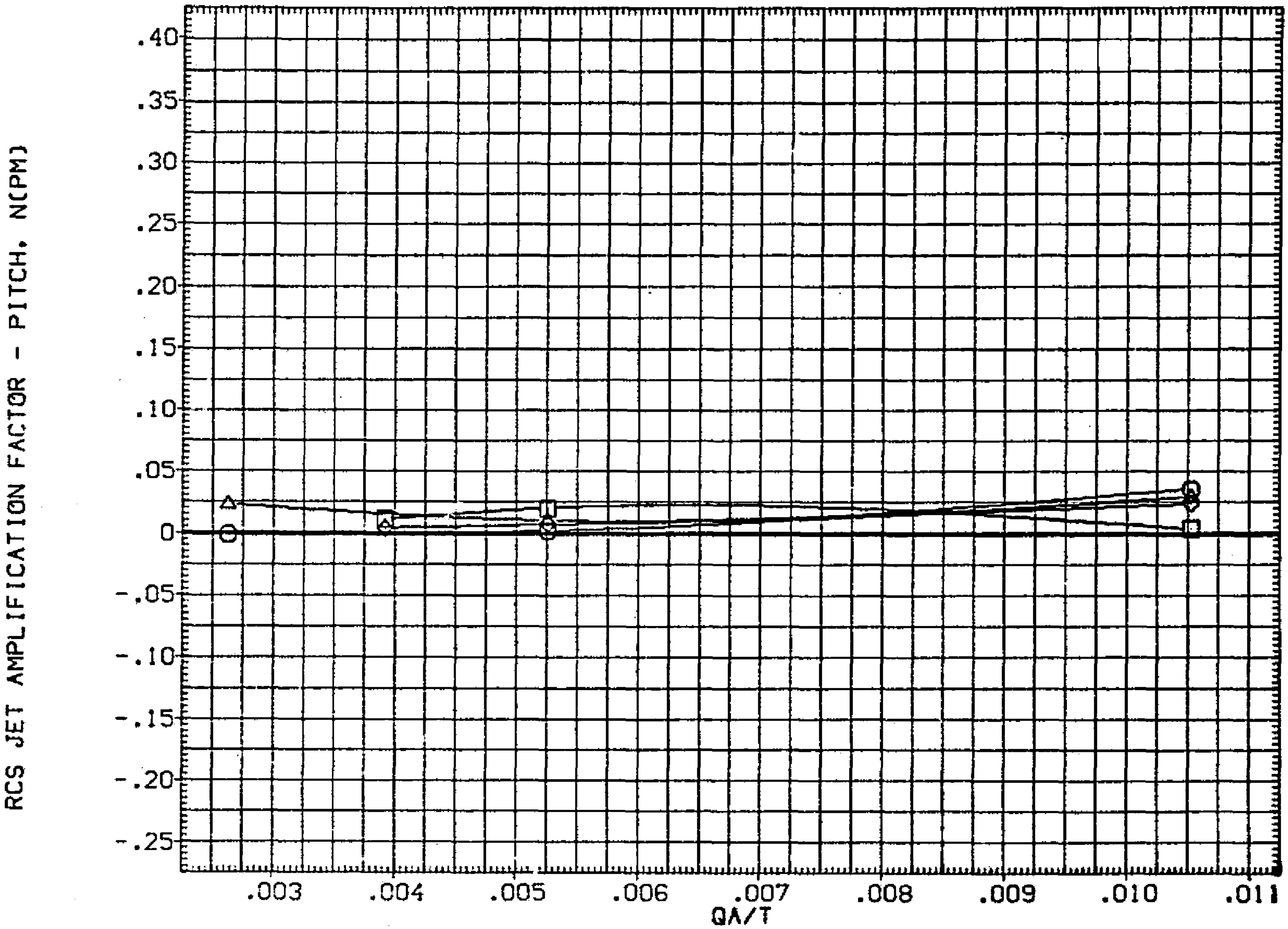

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

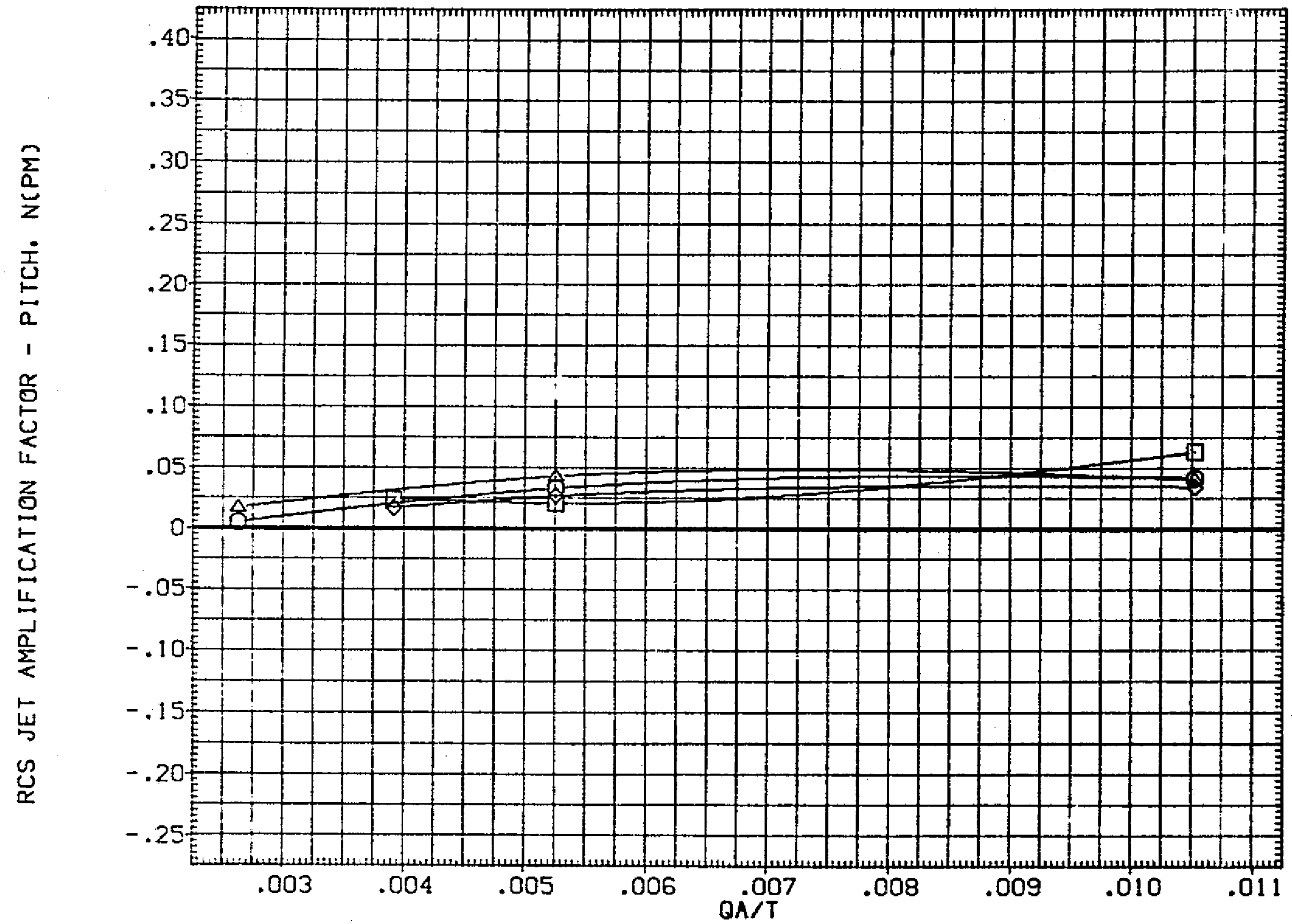

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA	REFERENCE INFORMATION		
[SJA079]	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	SREF	2690.0000	SQ.FT.
[SJA080]	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	LREF	474.8000	INCHES
[SJA081]	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	BREF	936.6800	INCHES
[SJA005]	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	XMRP	1076.7000	IN. XO
								YMRP	.0000	IN. YO
								ZMRP	375.0000	IN. ZO
								SCALE	.0100	

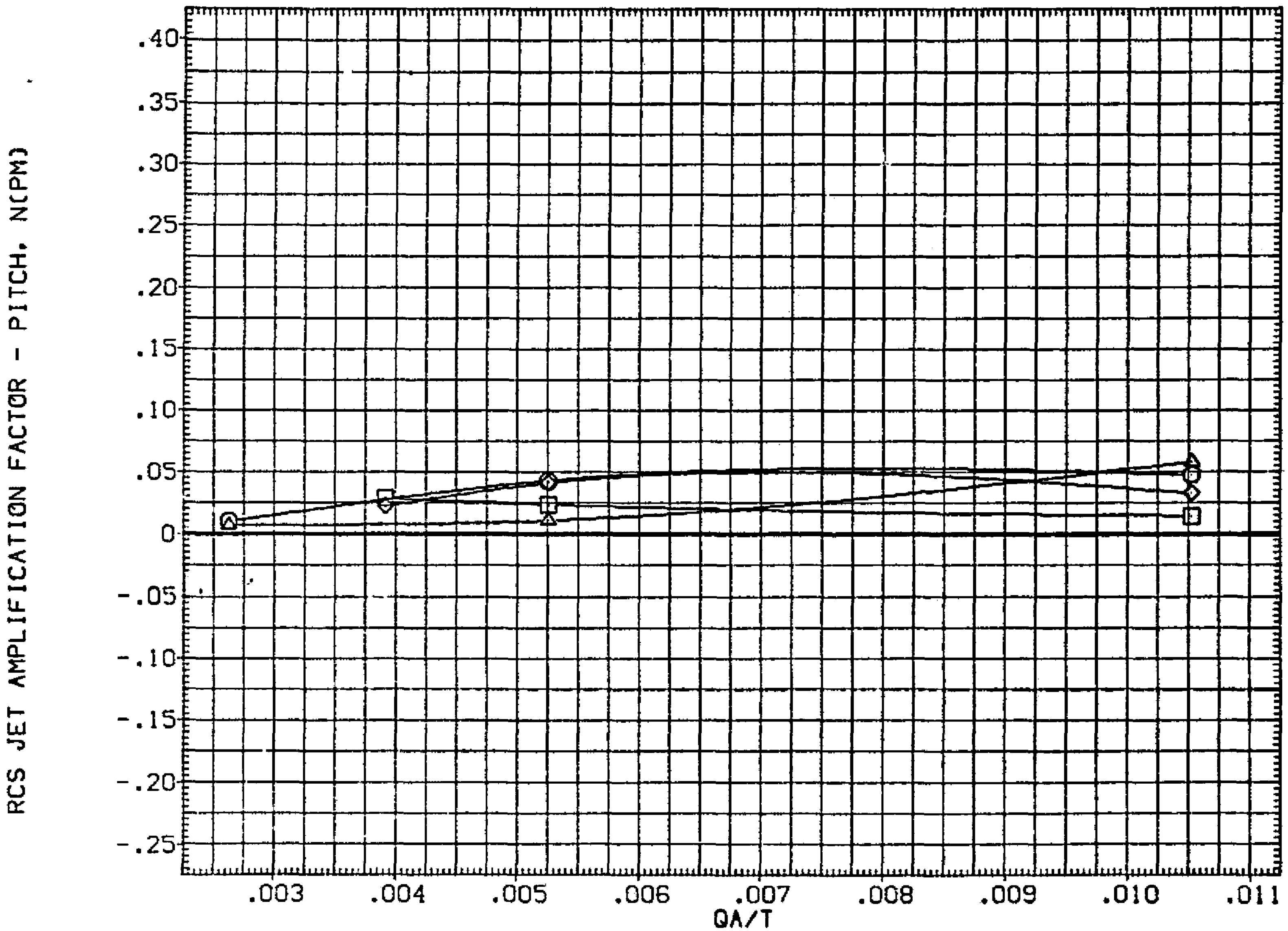

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	0IN13	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	0IN37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	0IN61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	0IN85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

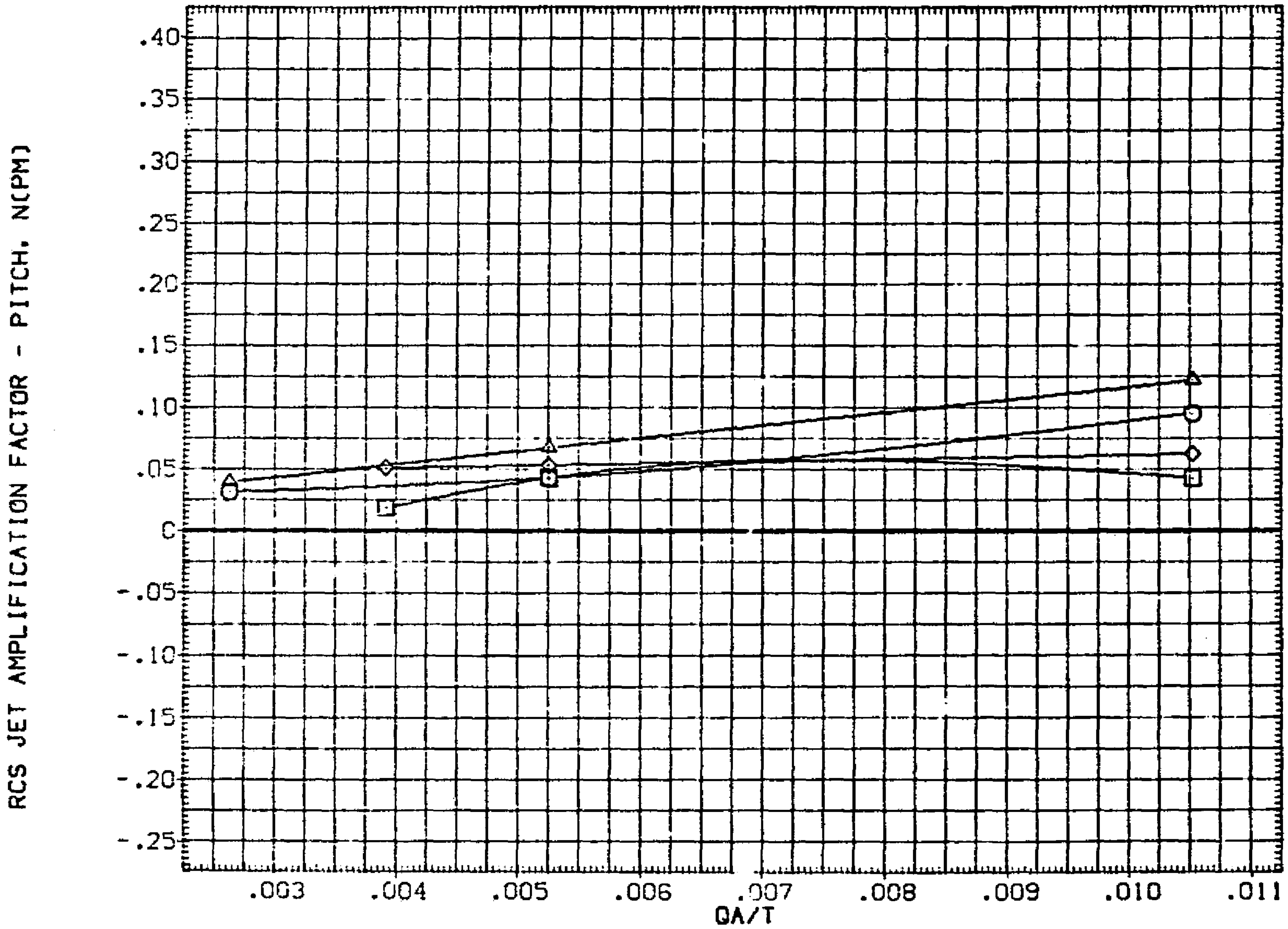

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

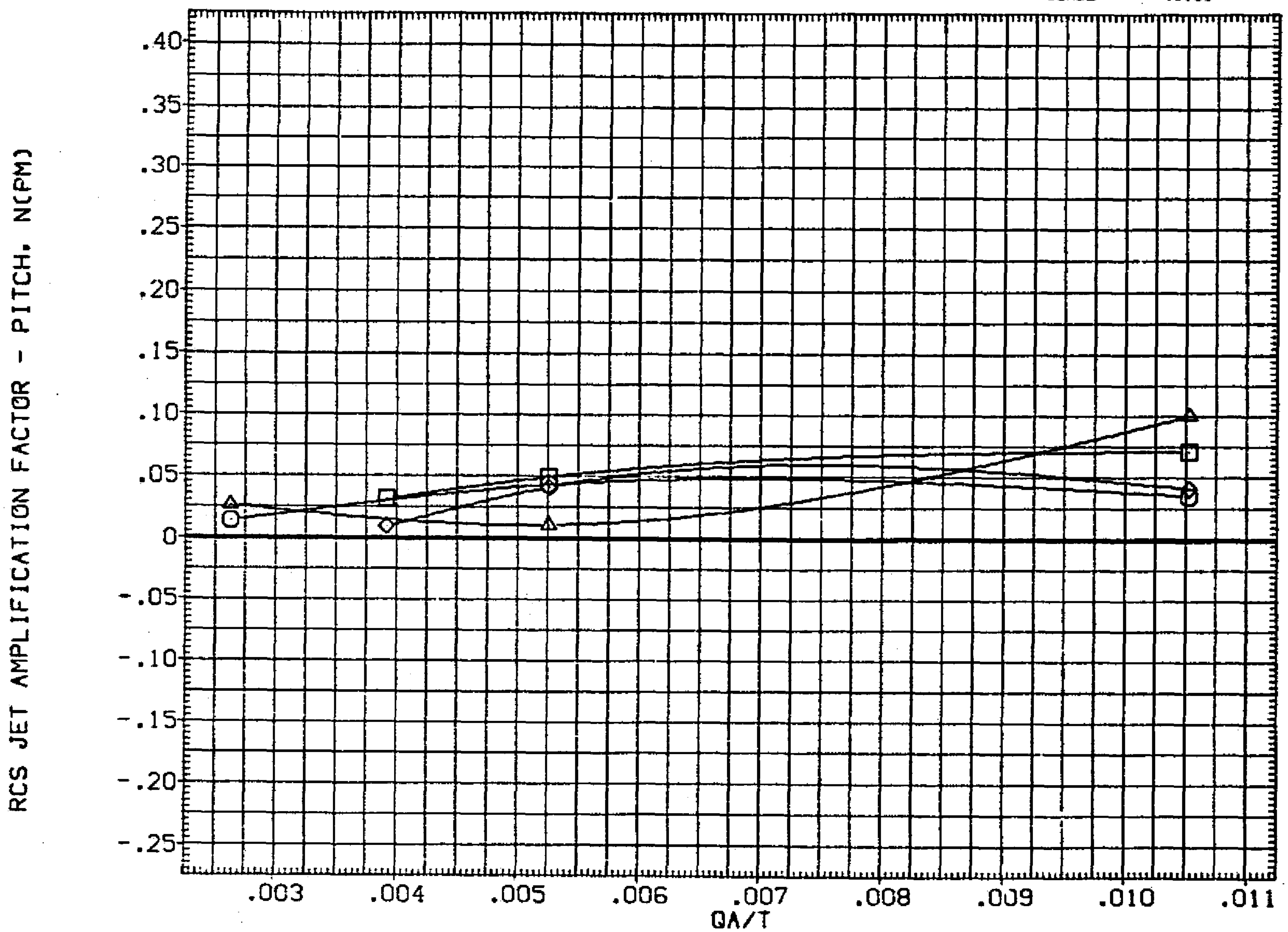

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

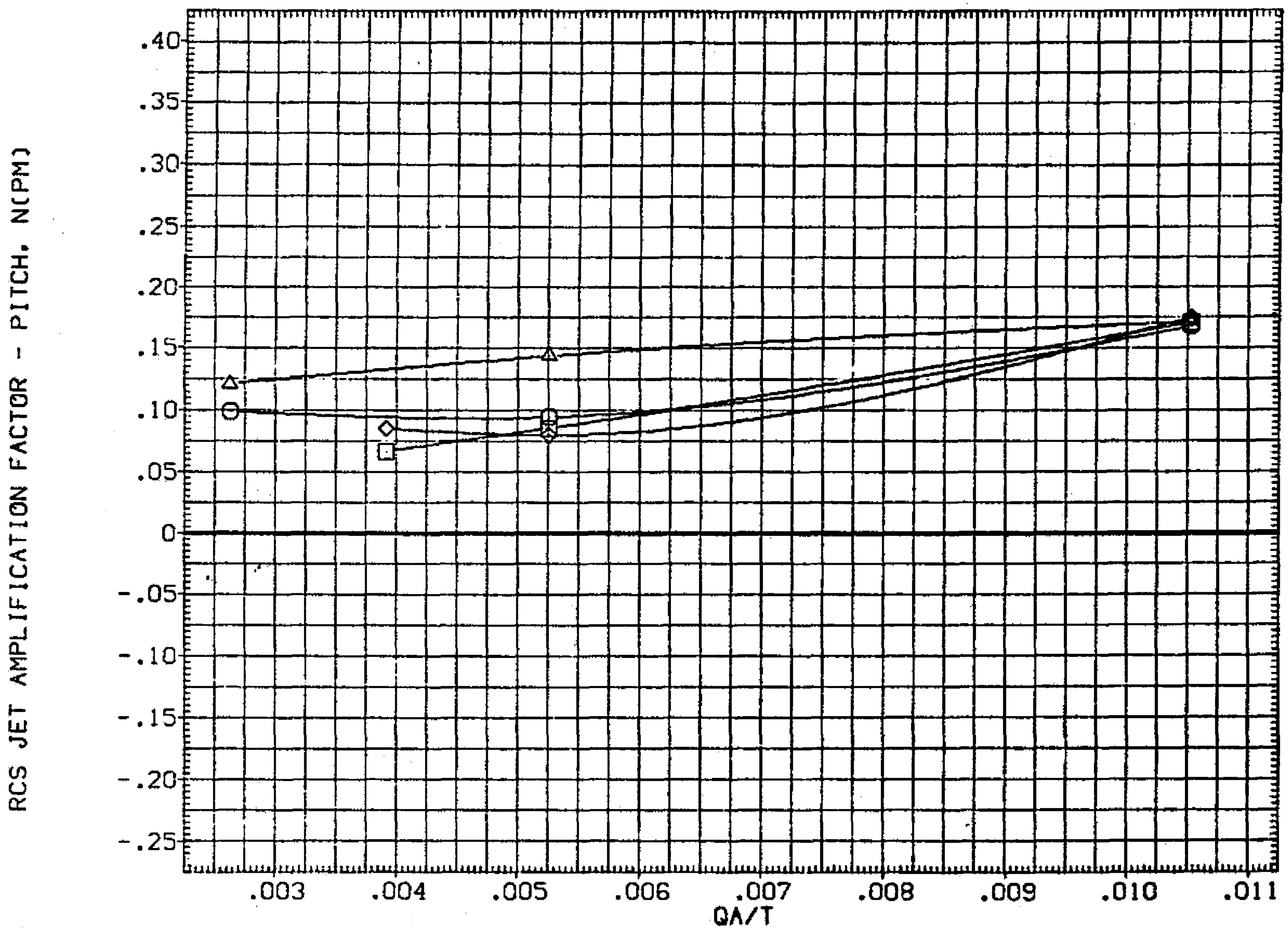

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

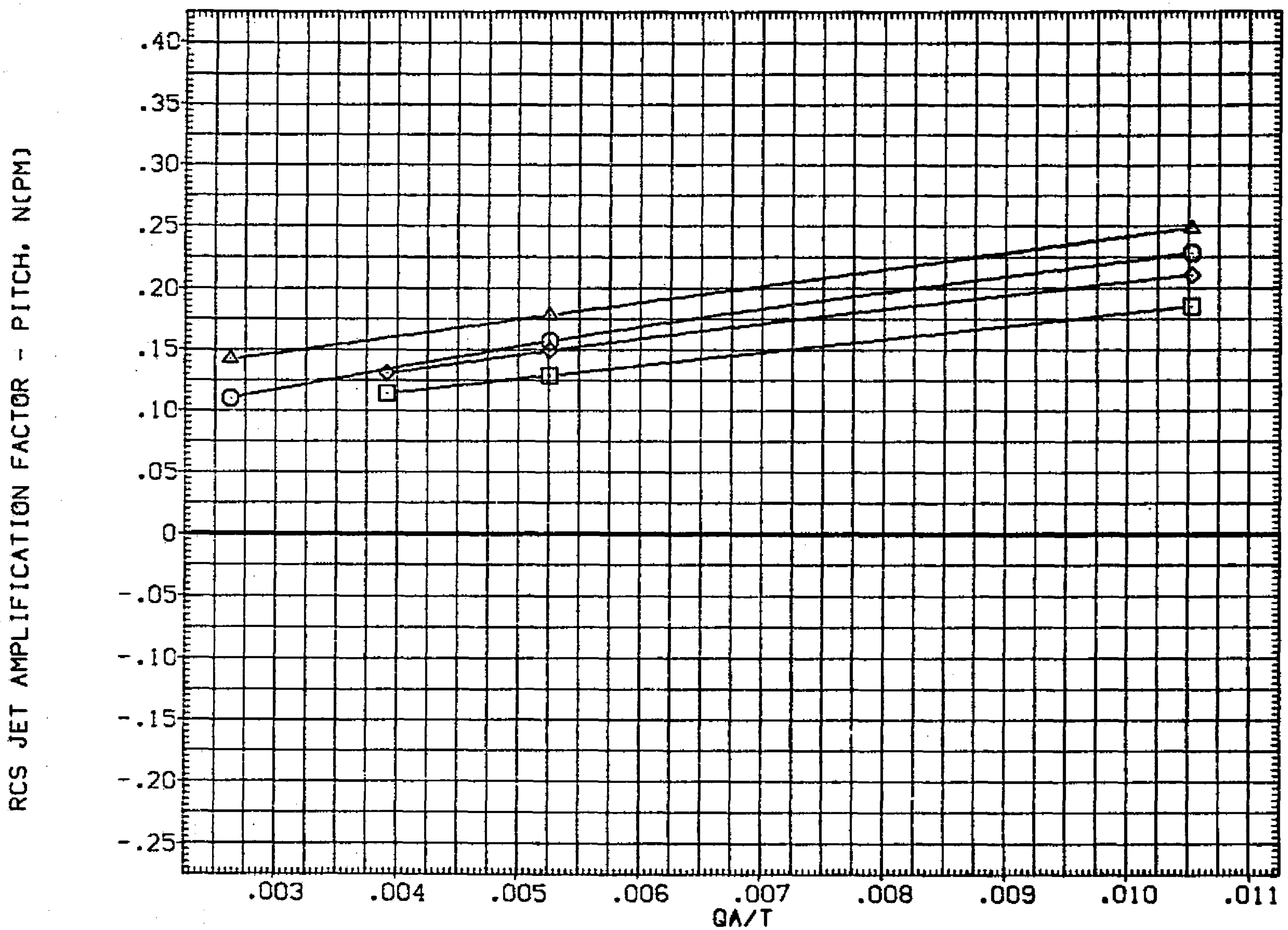

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

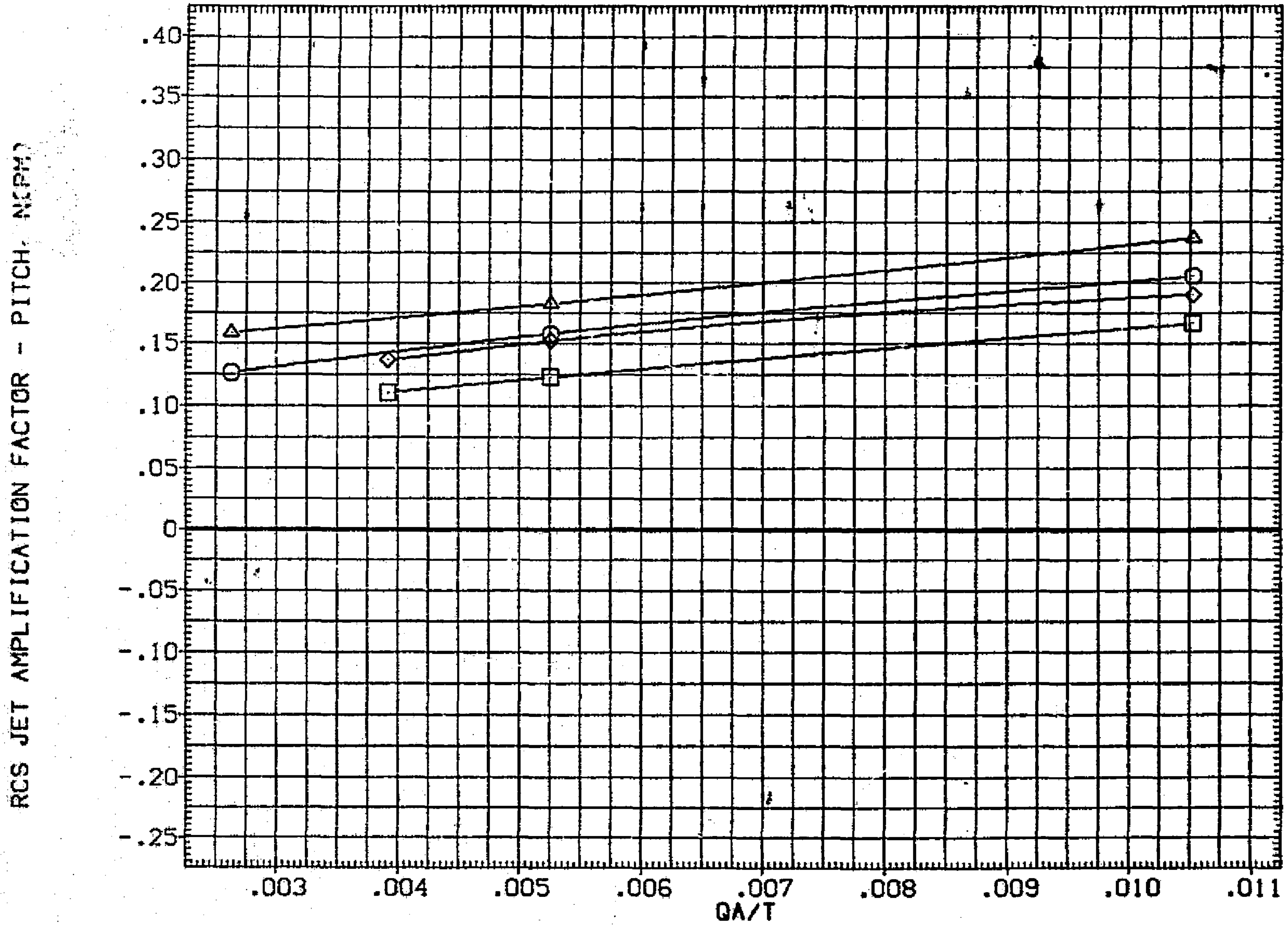

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

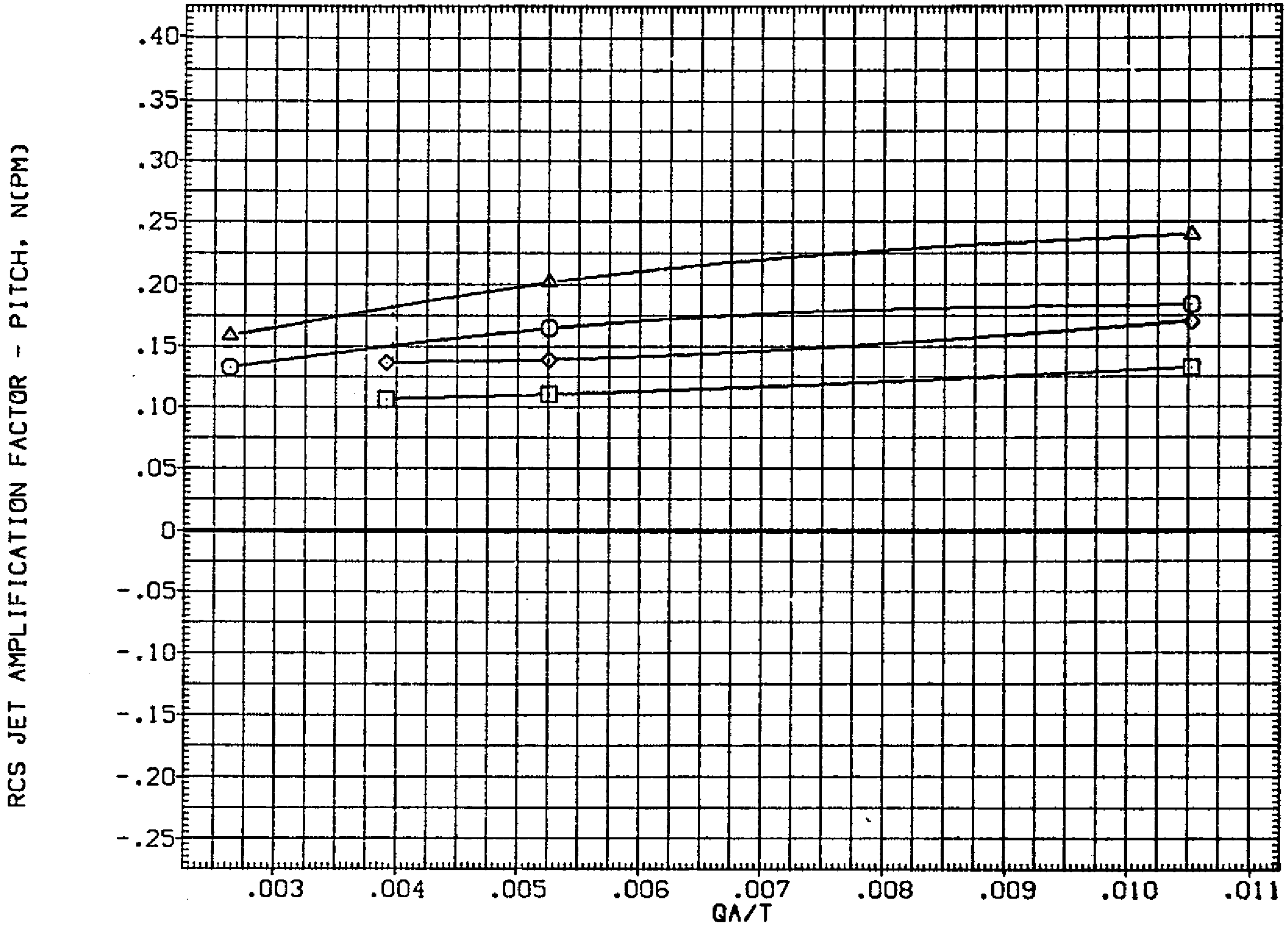

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

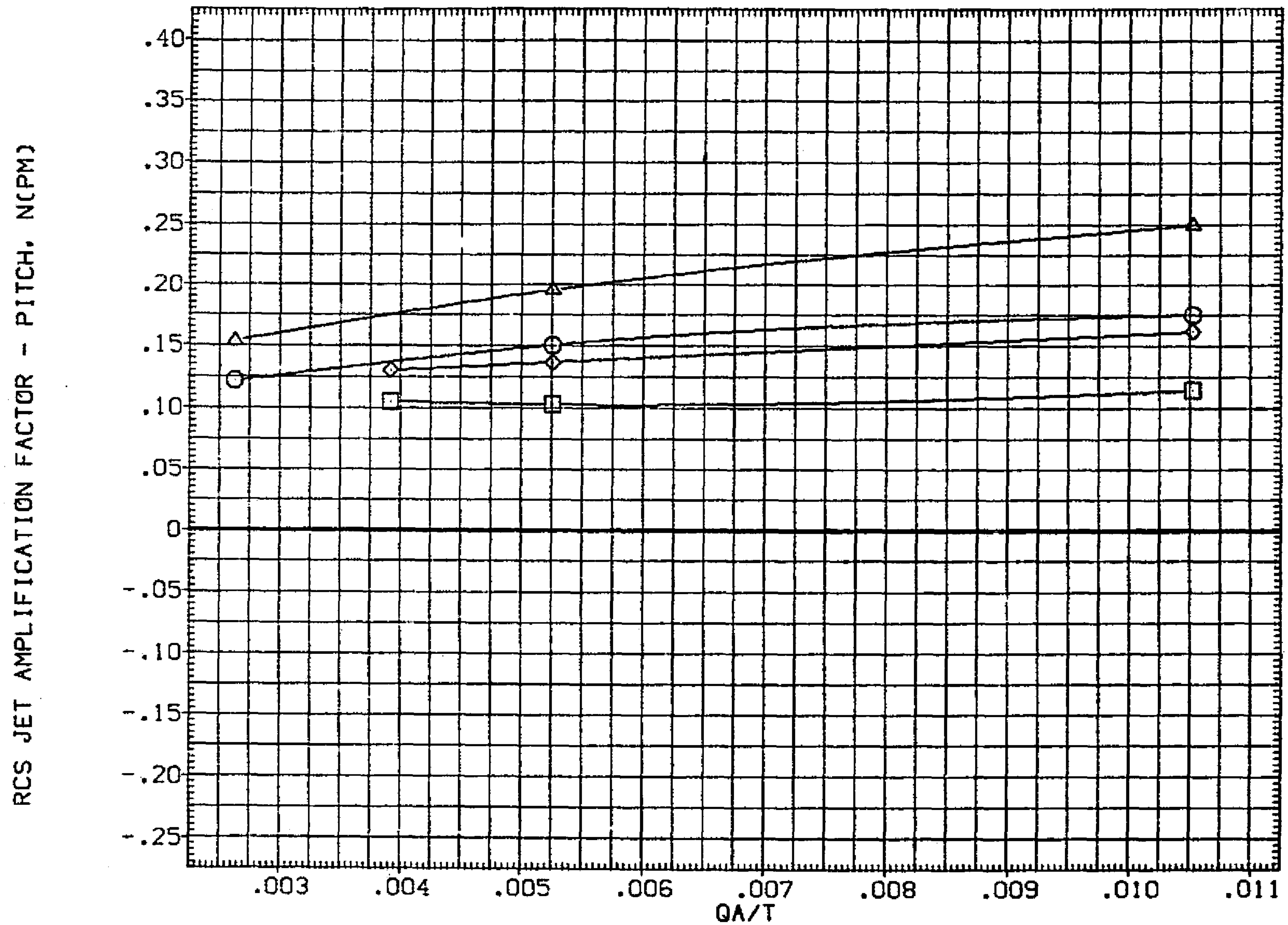

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(G)ALPHA = 35.00

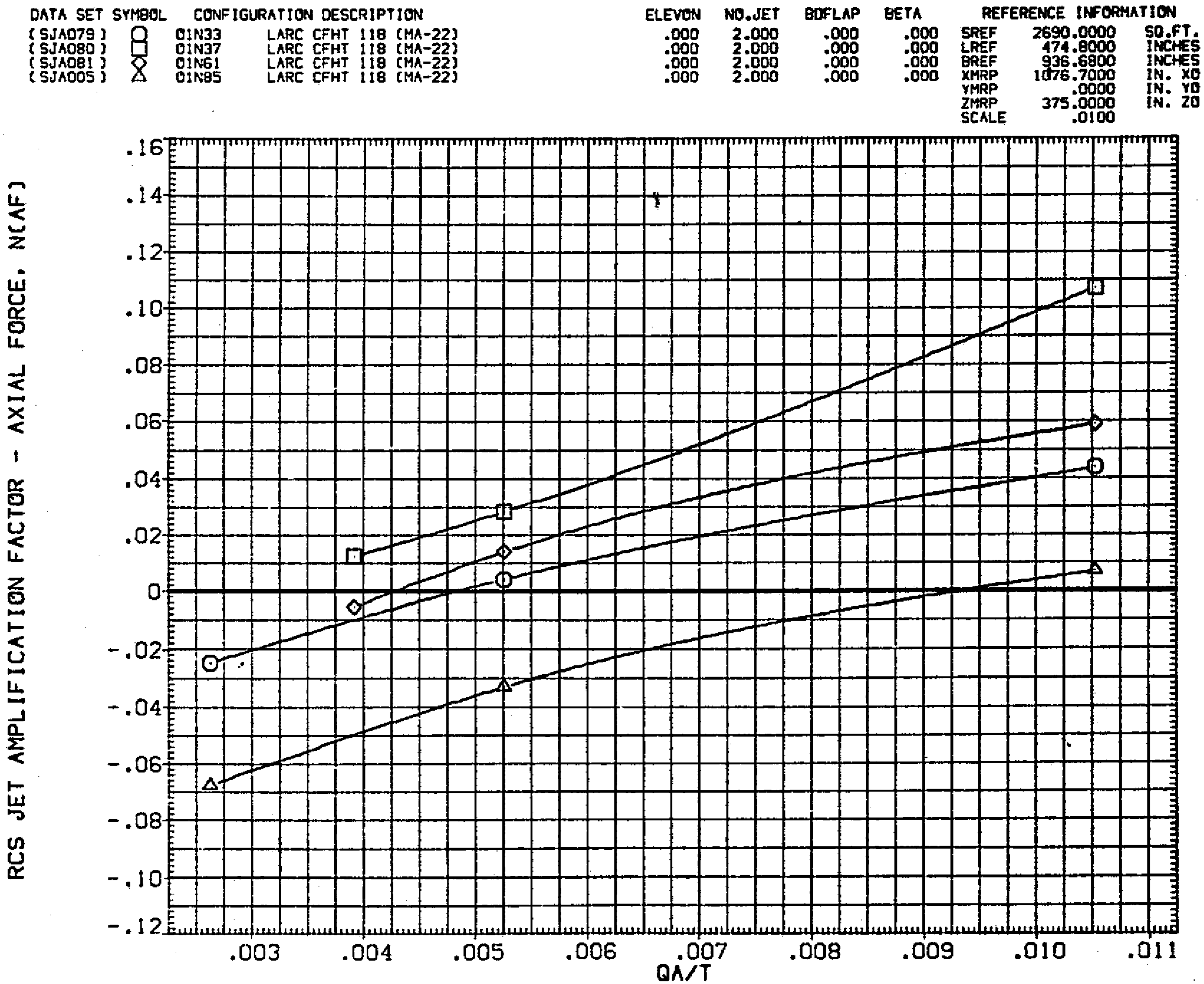

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

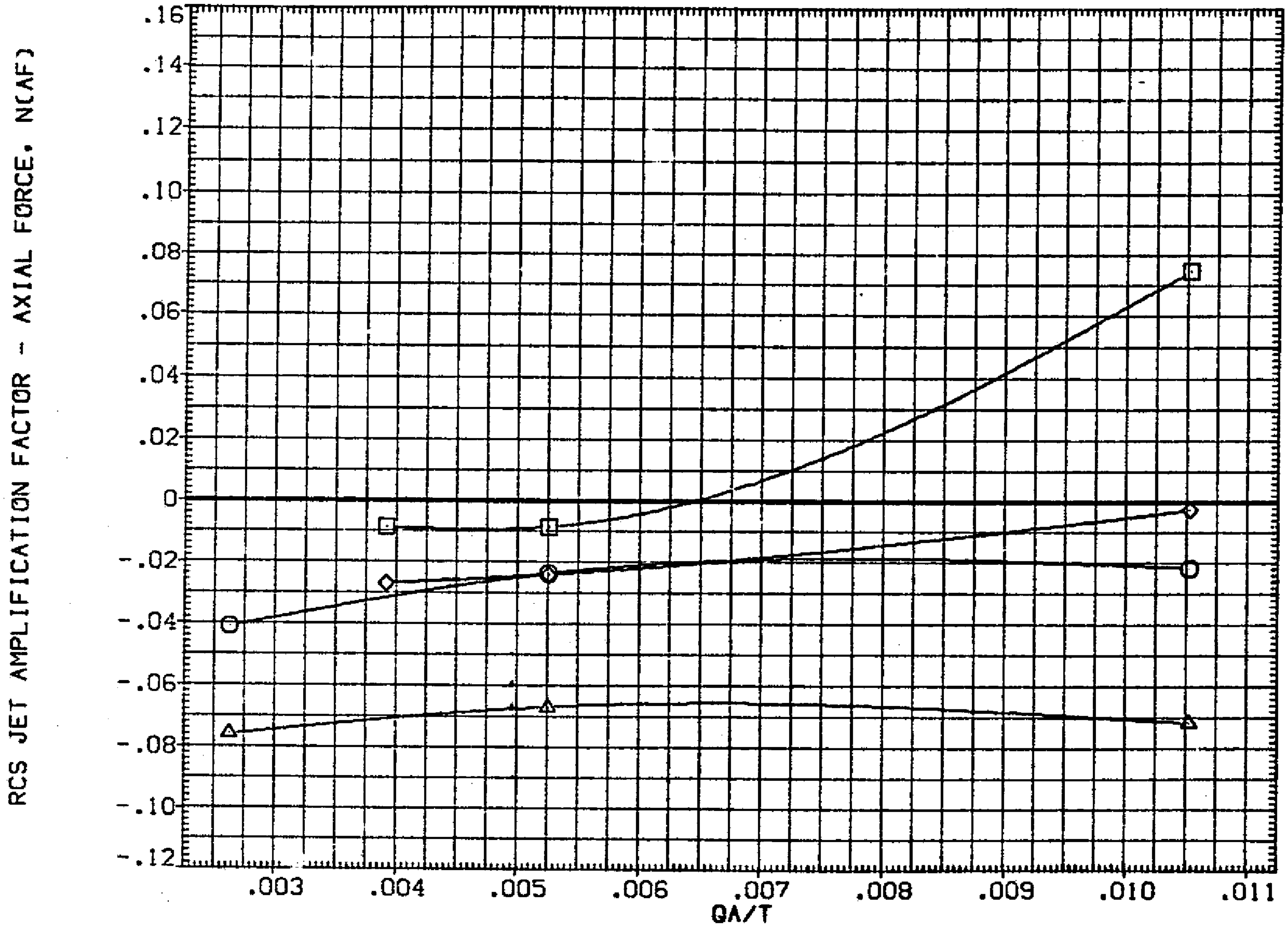

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

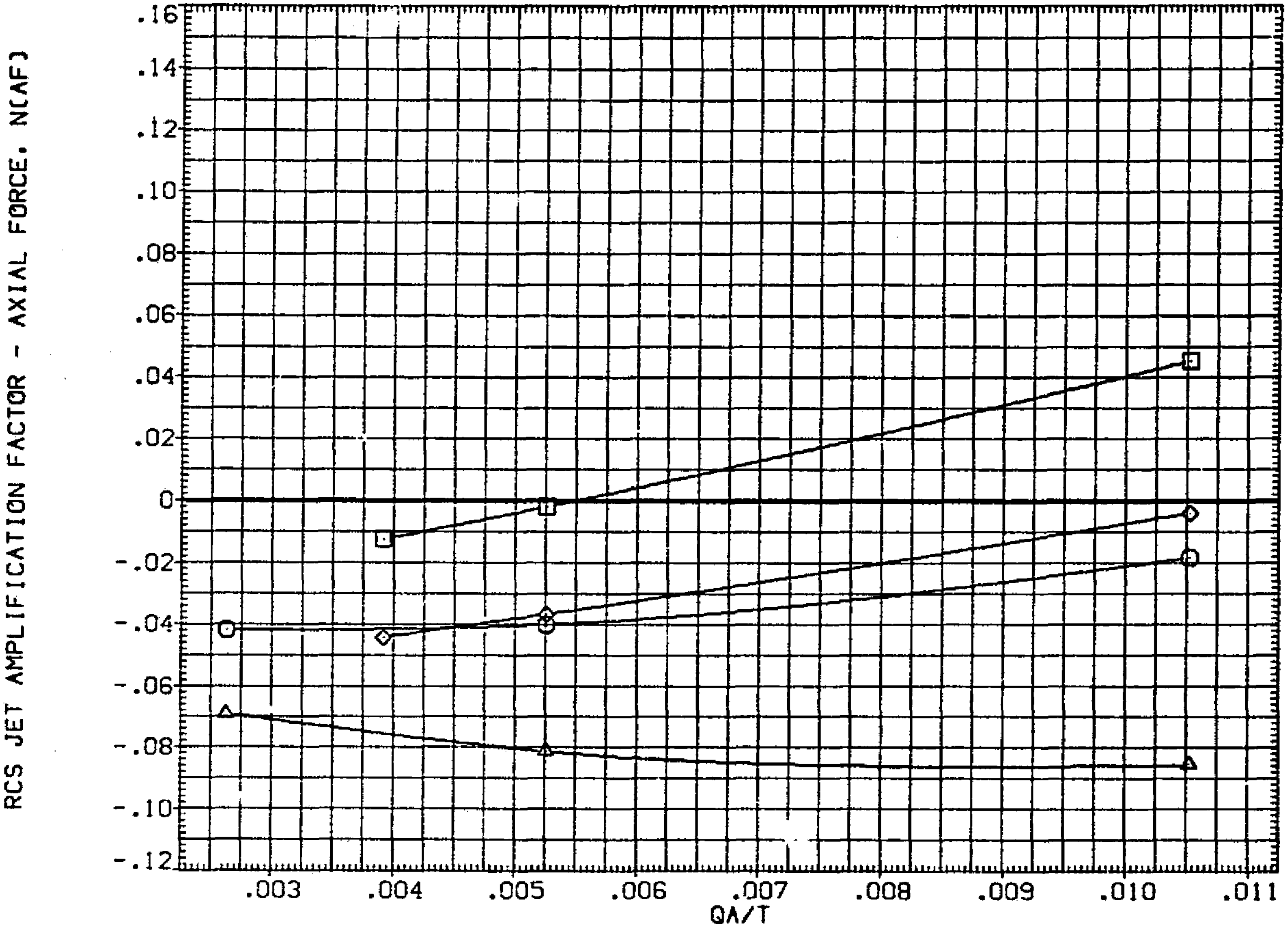

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

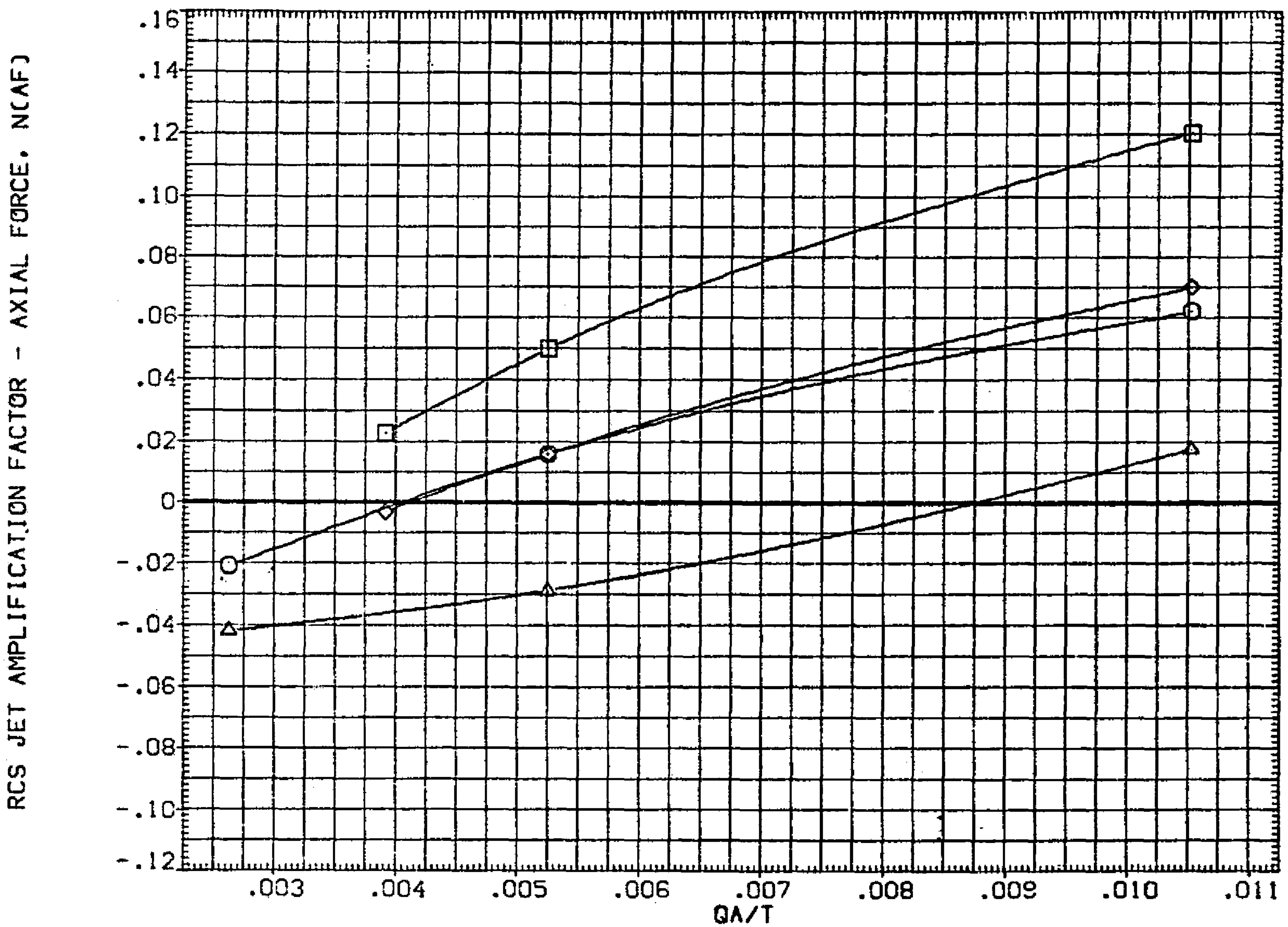

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N95	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

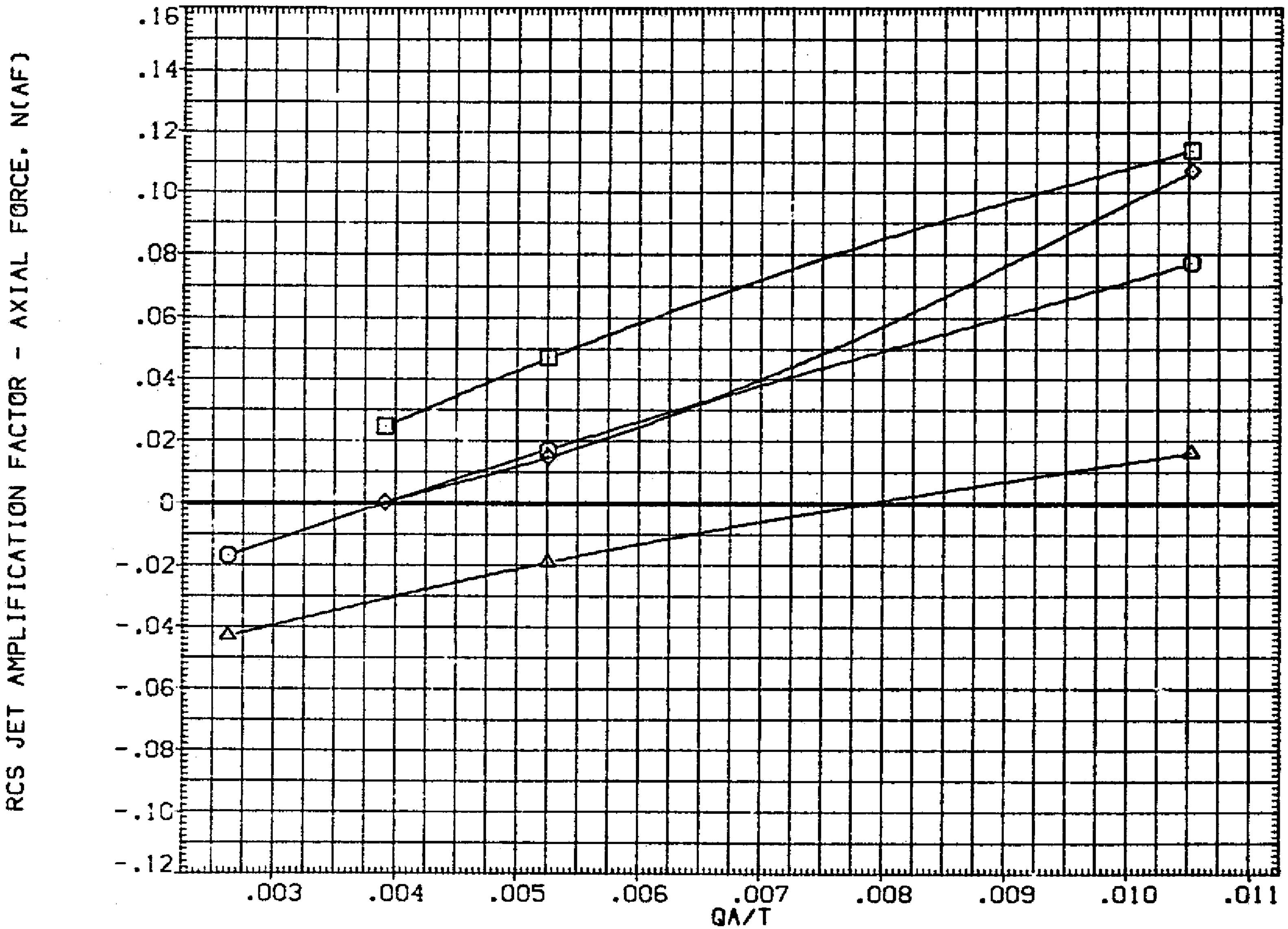

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N65	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

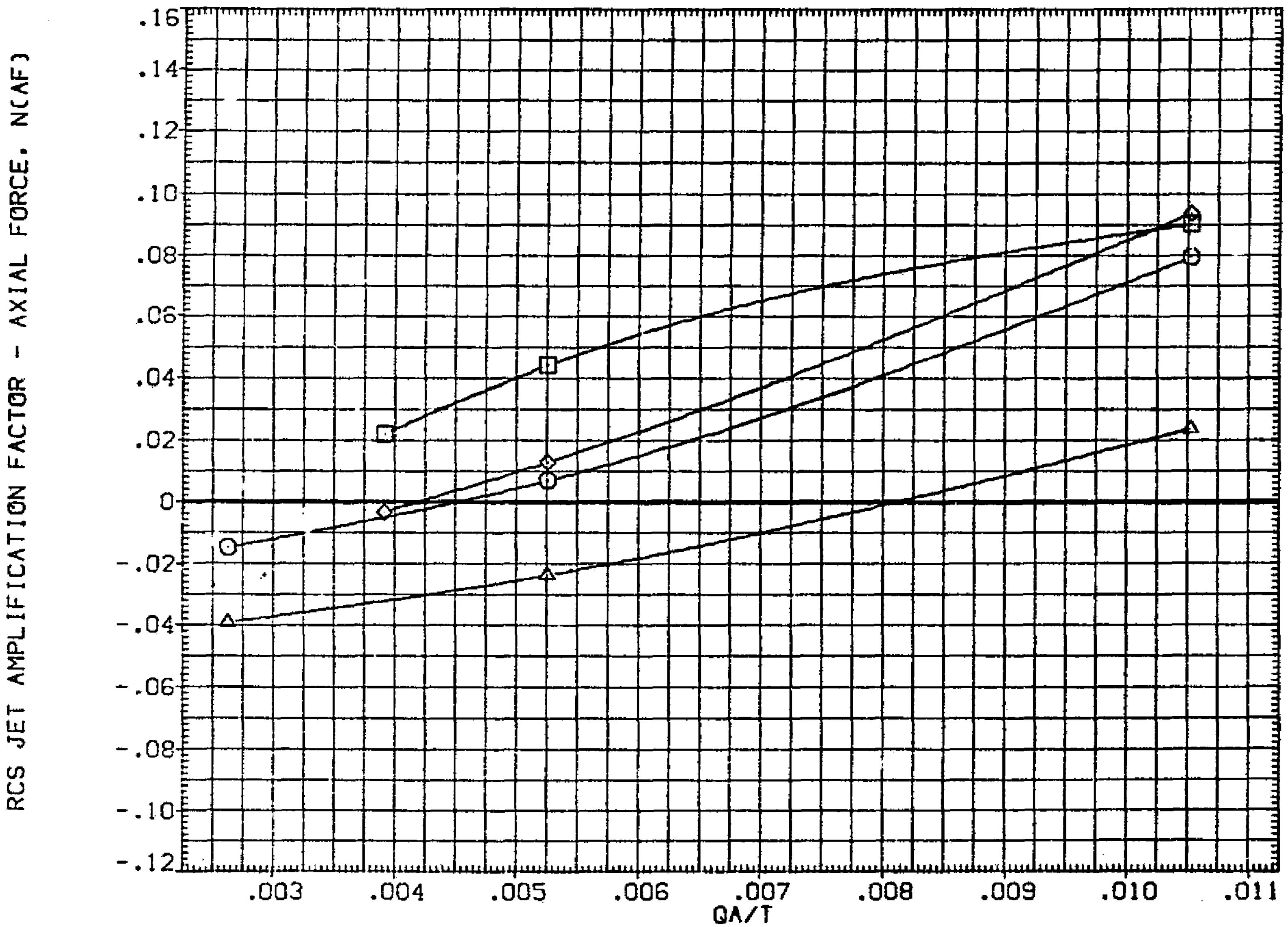

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(F)ALPHA = 2.00

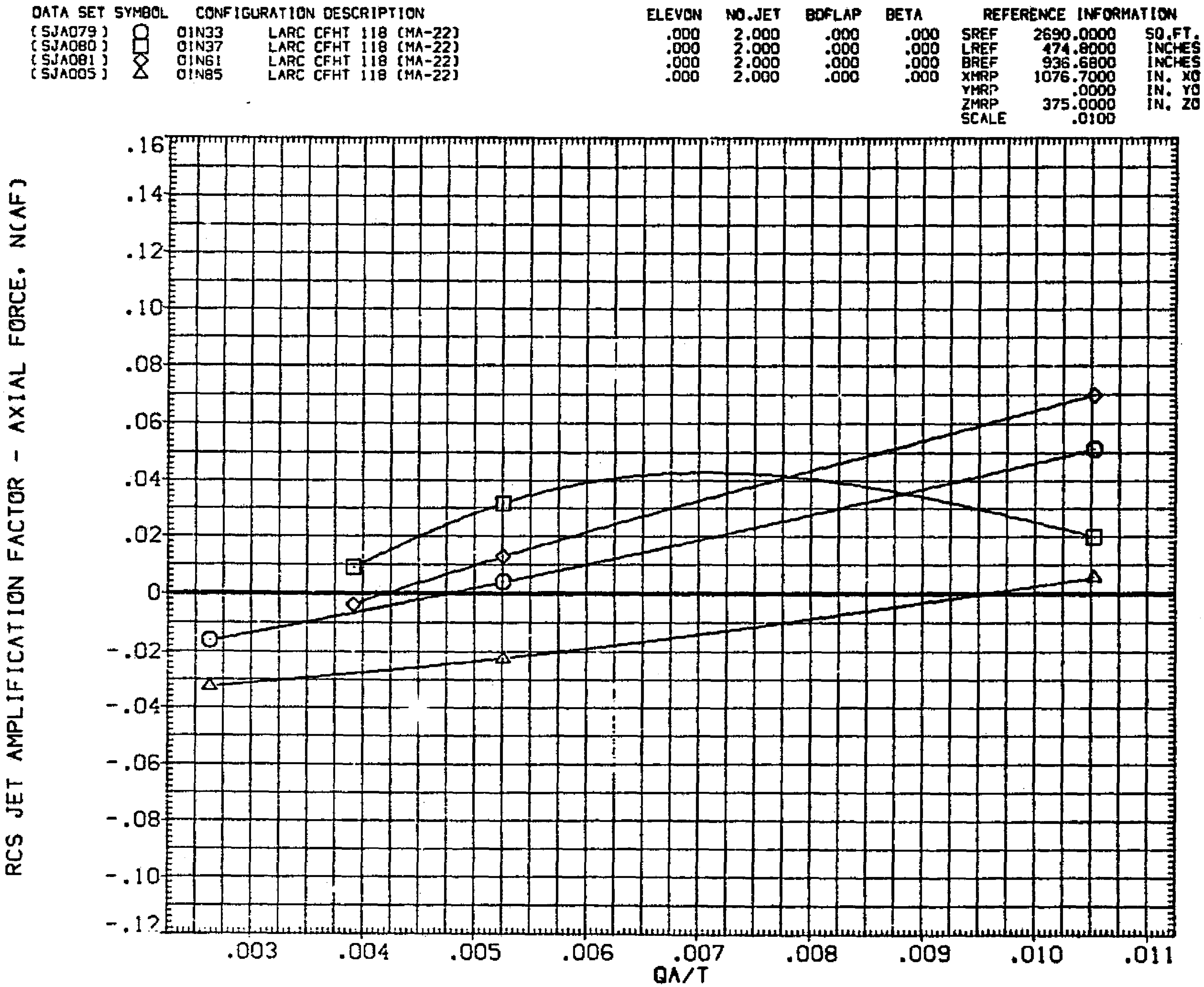

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA050)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

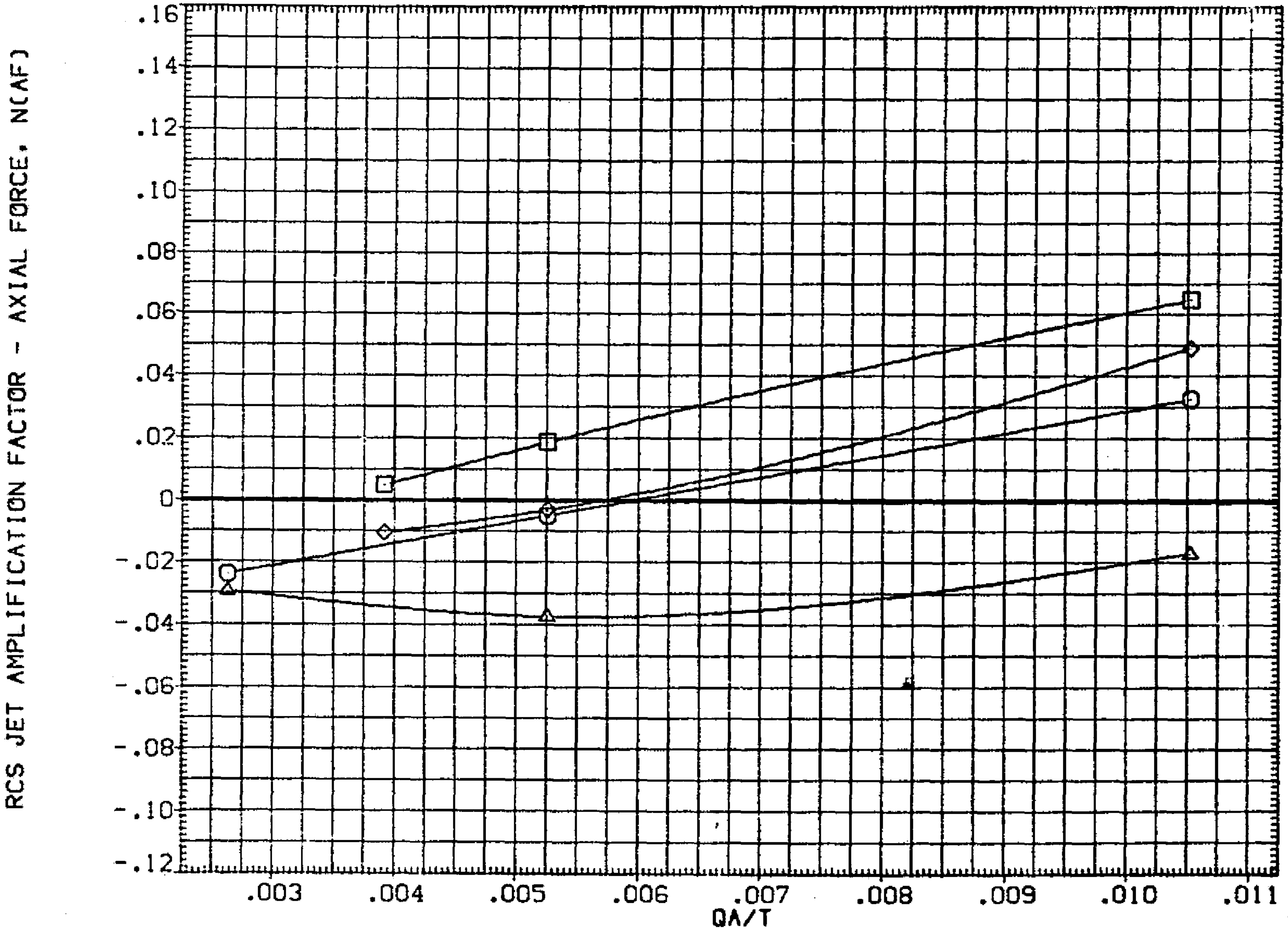

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

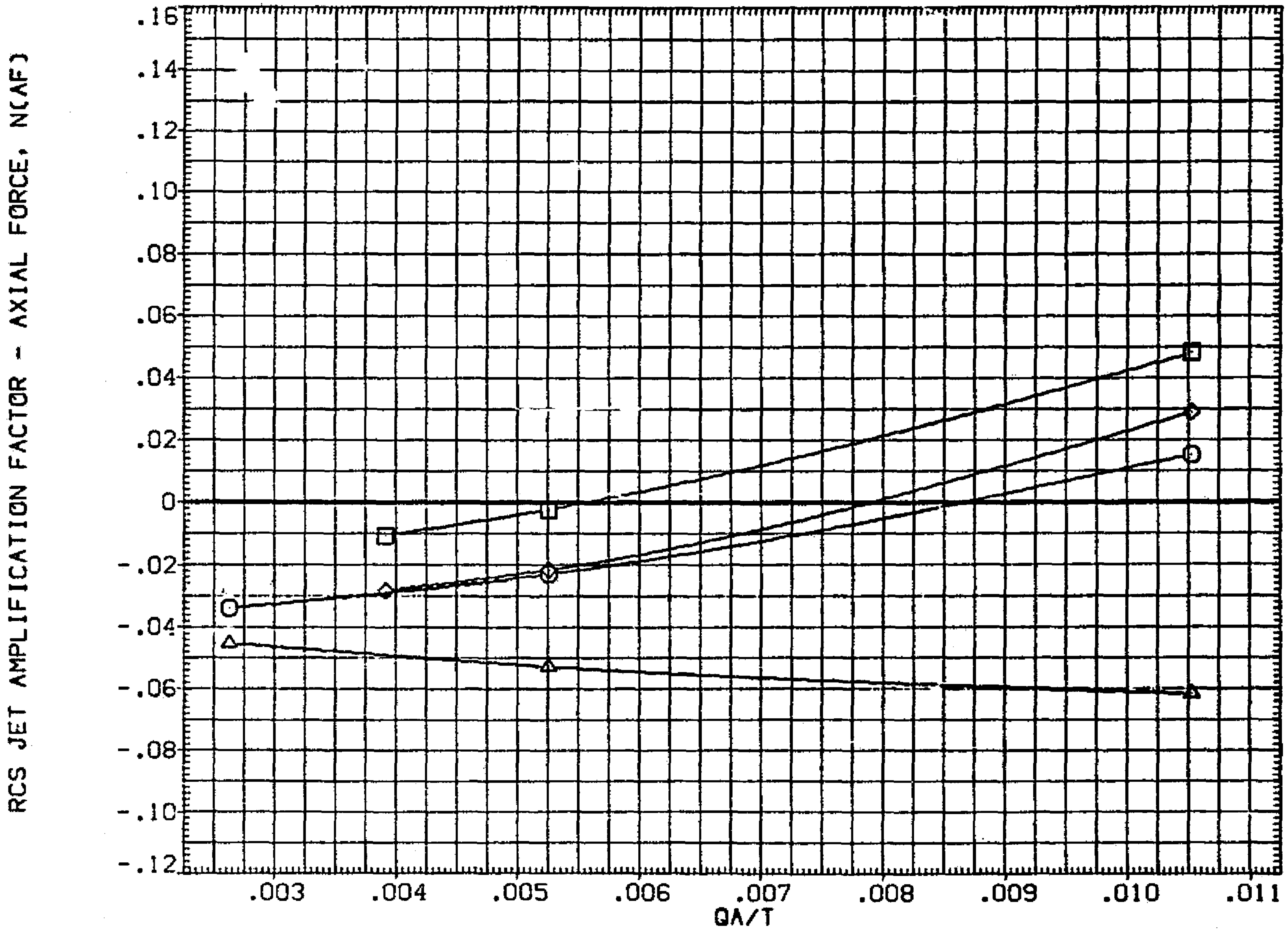

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

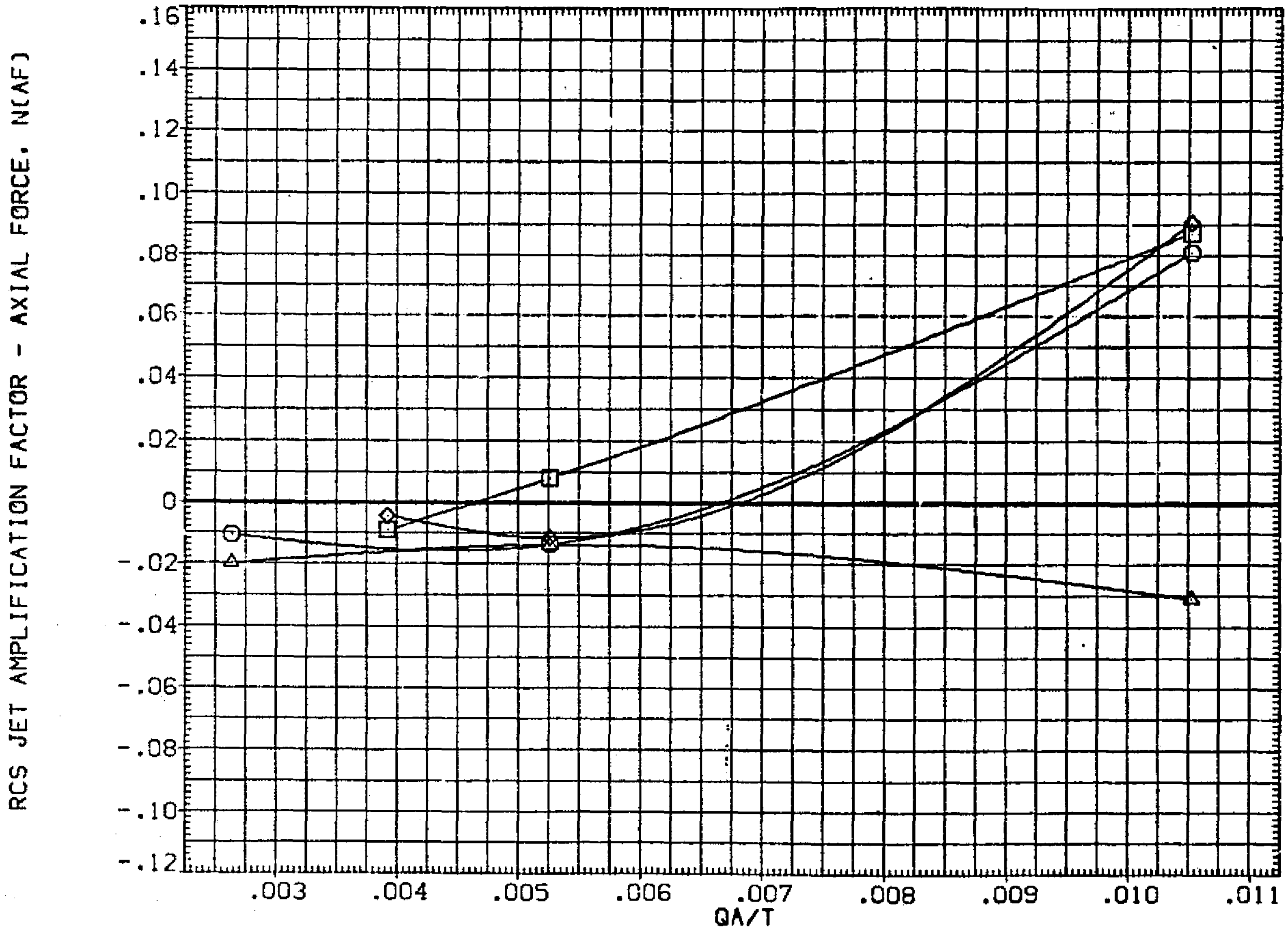

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

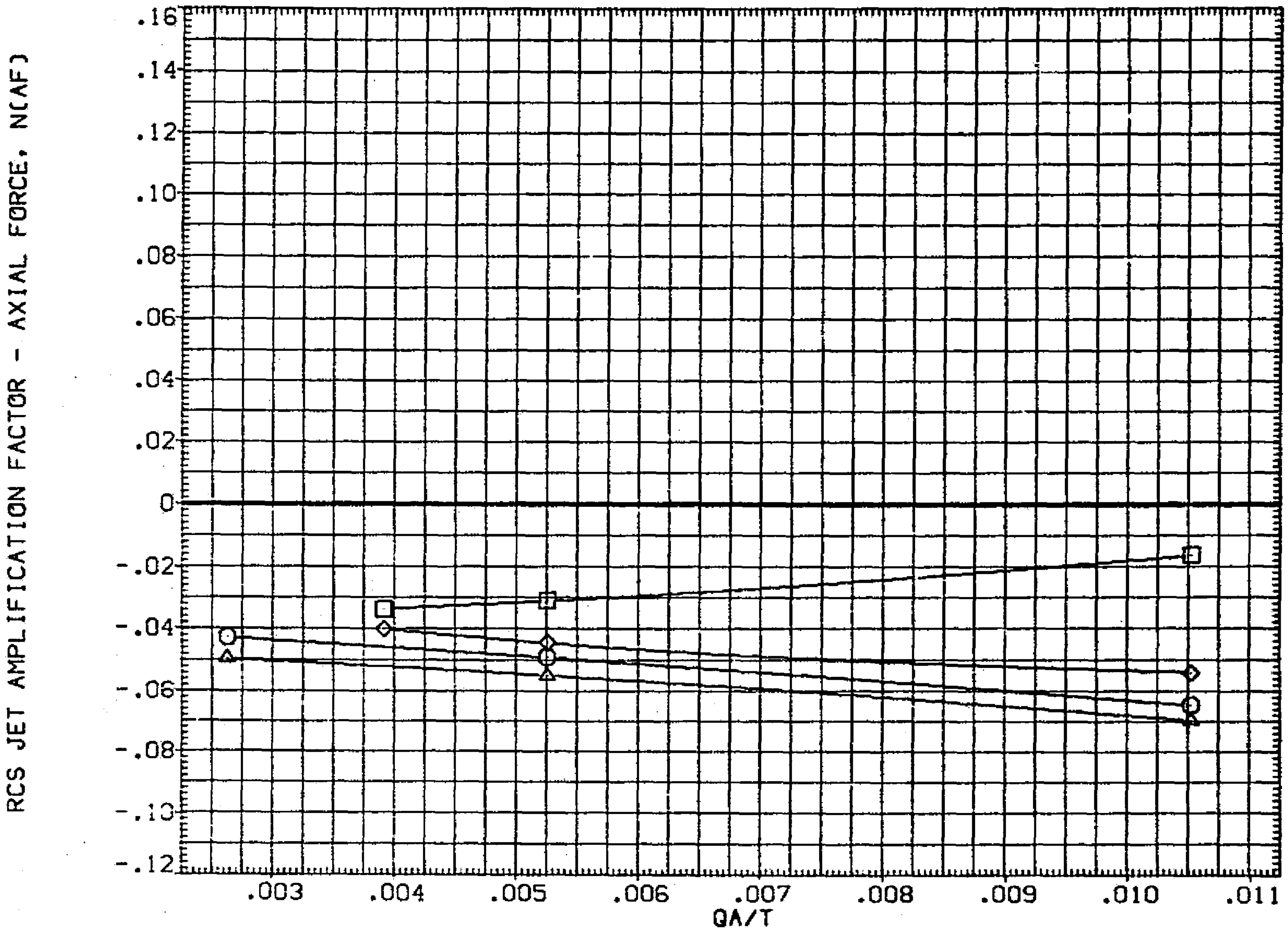

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

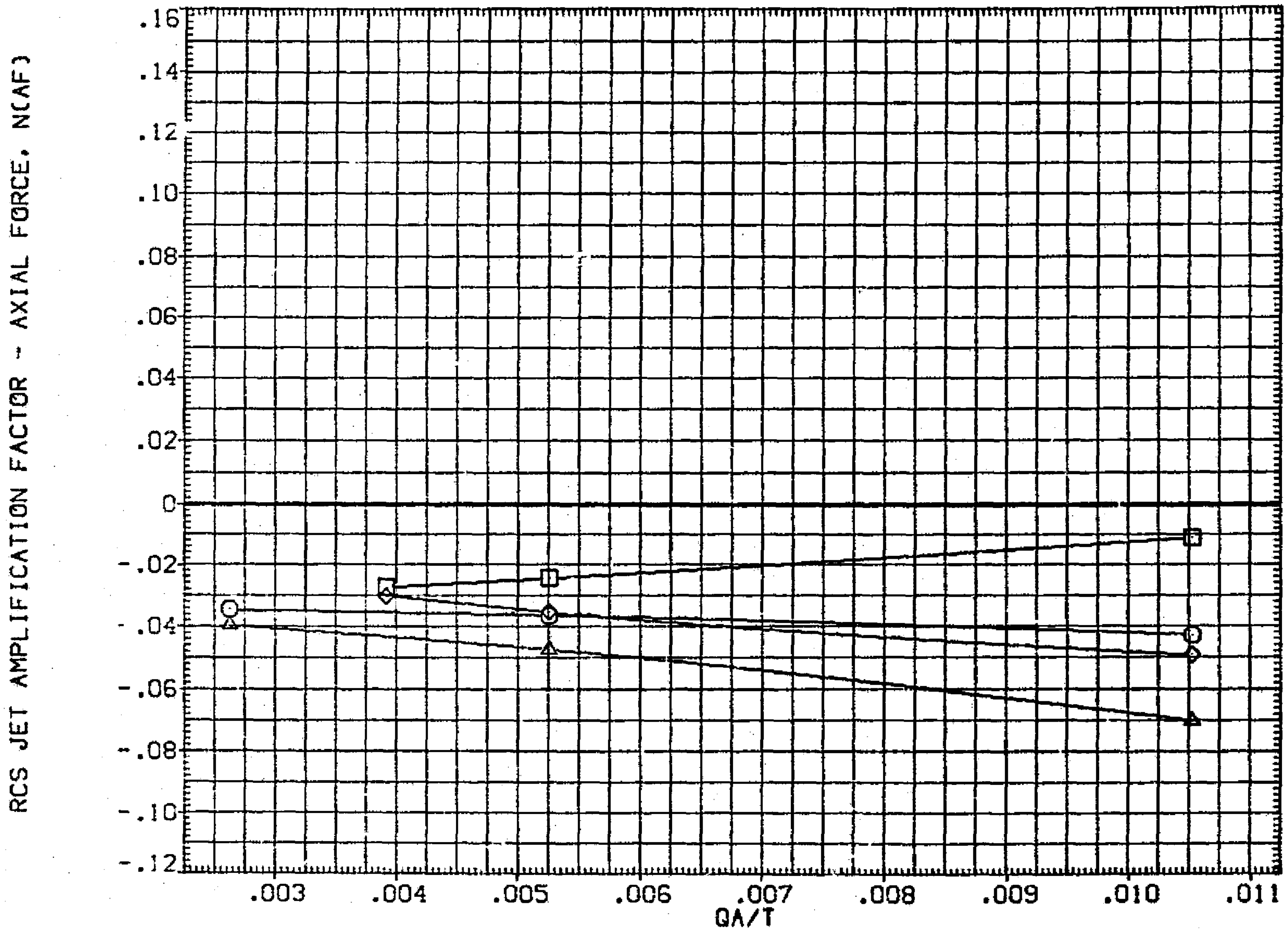

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N77	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

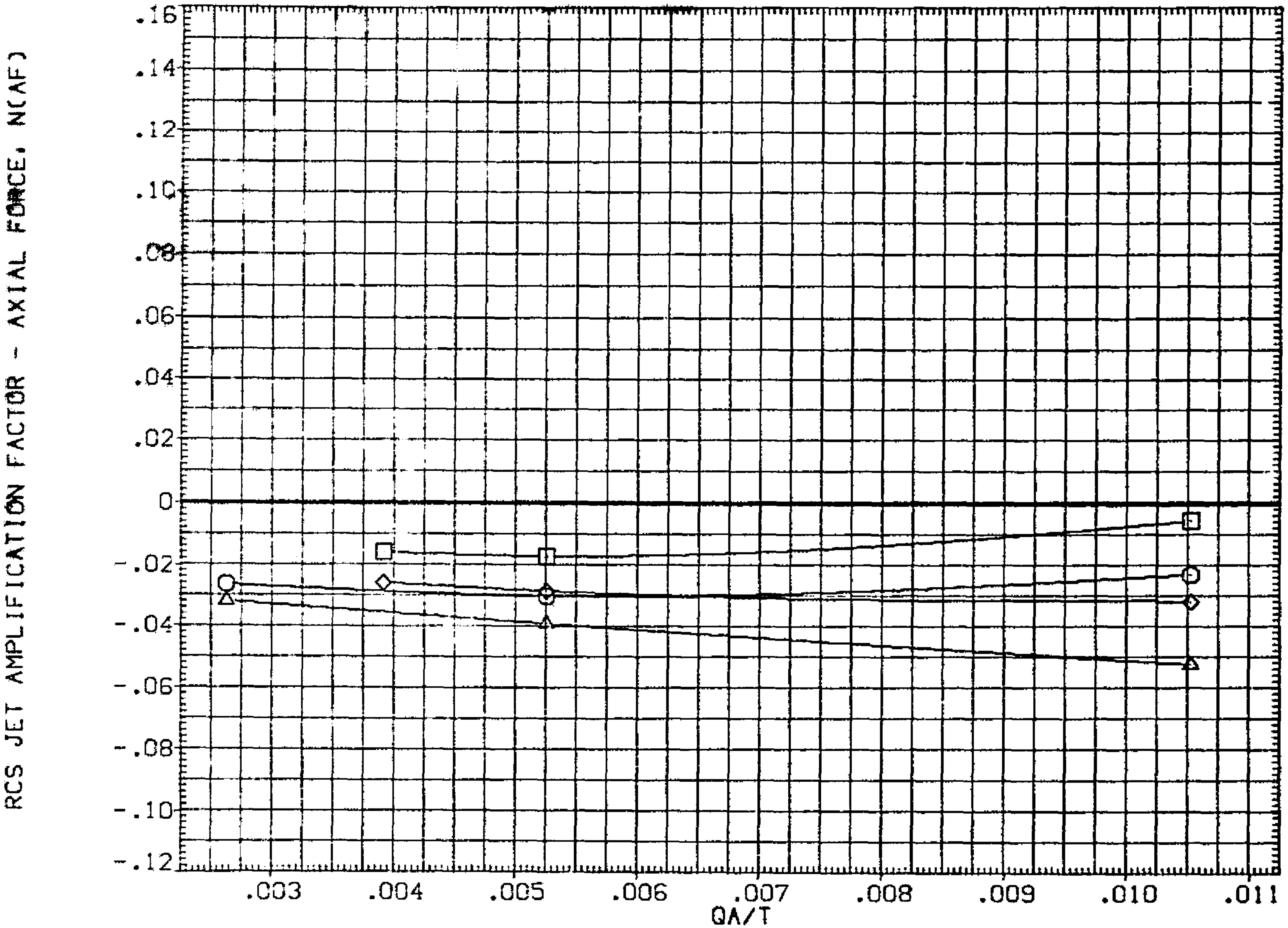

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(M)ALPHA = 25.00

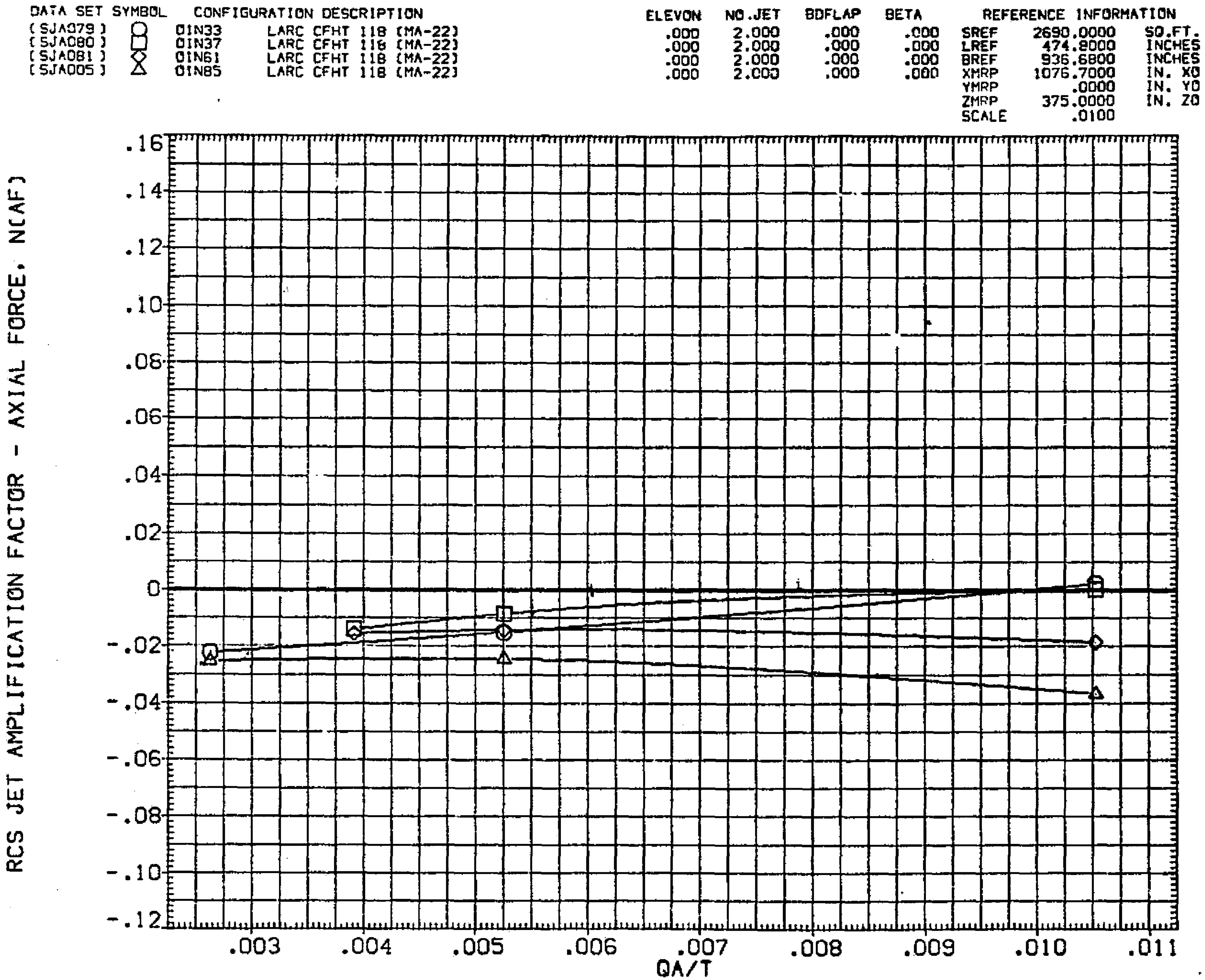

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJAC05)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

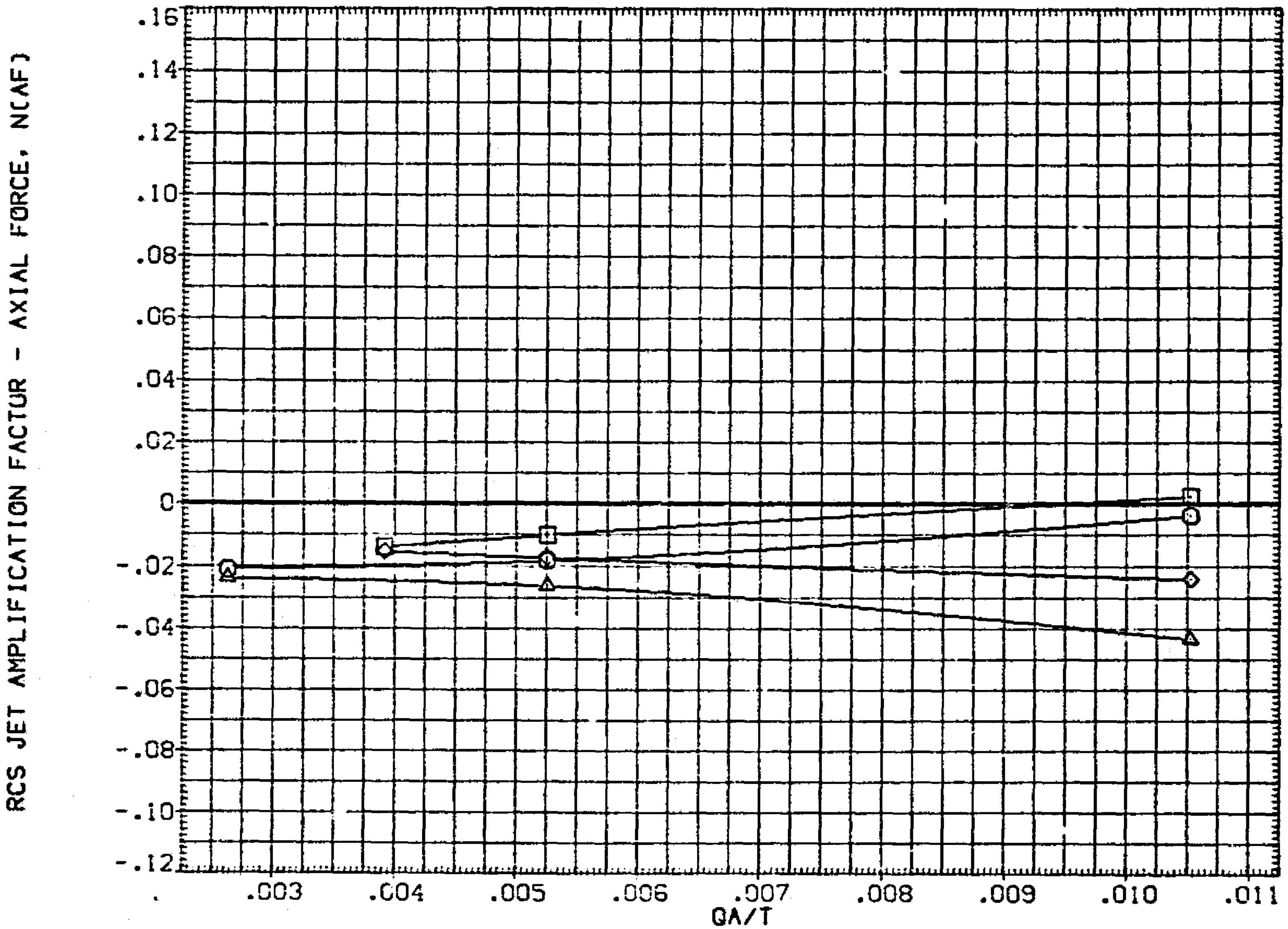

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(C)ALPHA = 35.00

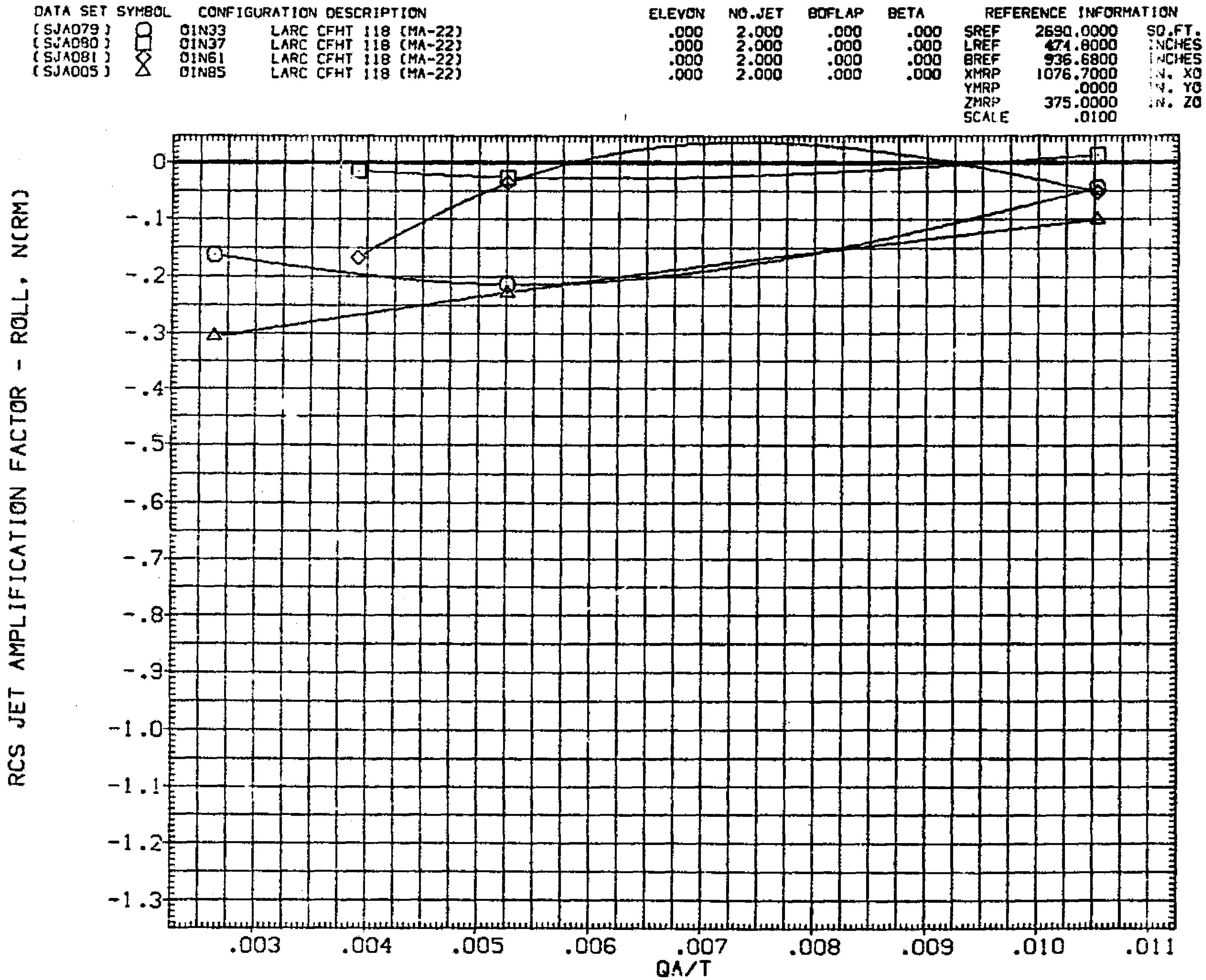

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

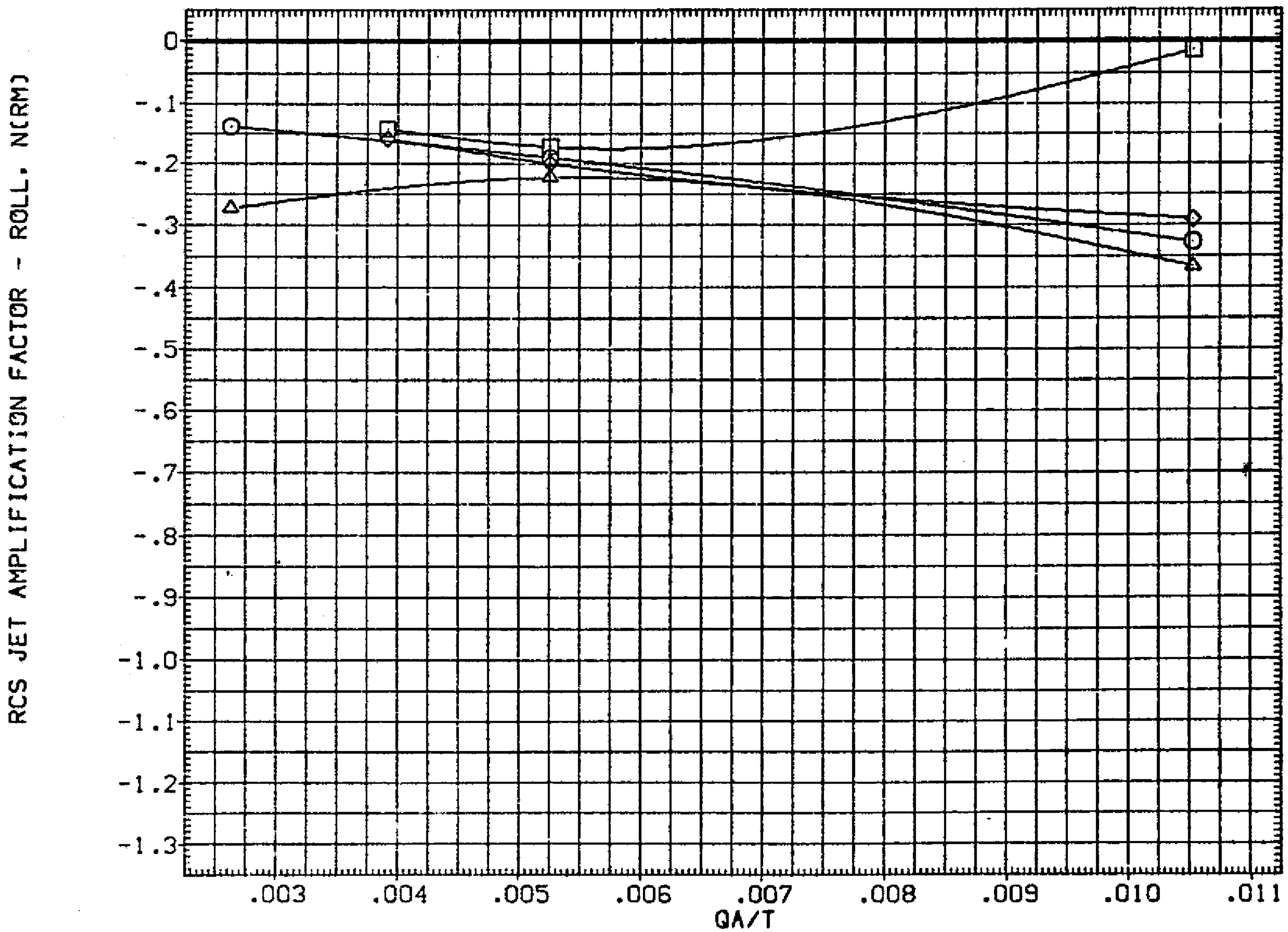

FIGURE 95. AREA RATIO ~~EFFECTS, L/H SIDE FIRING~~ JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

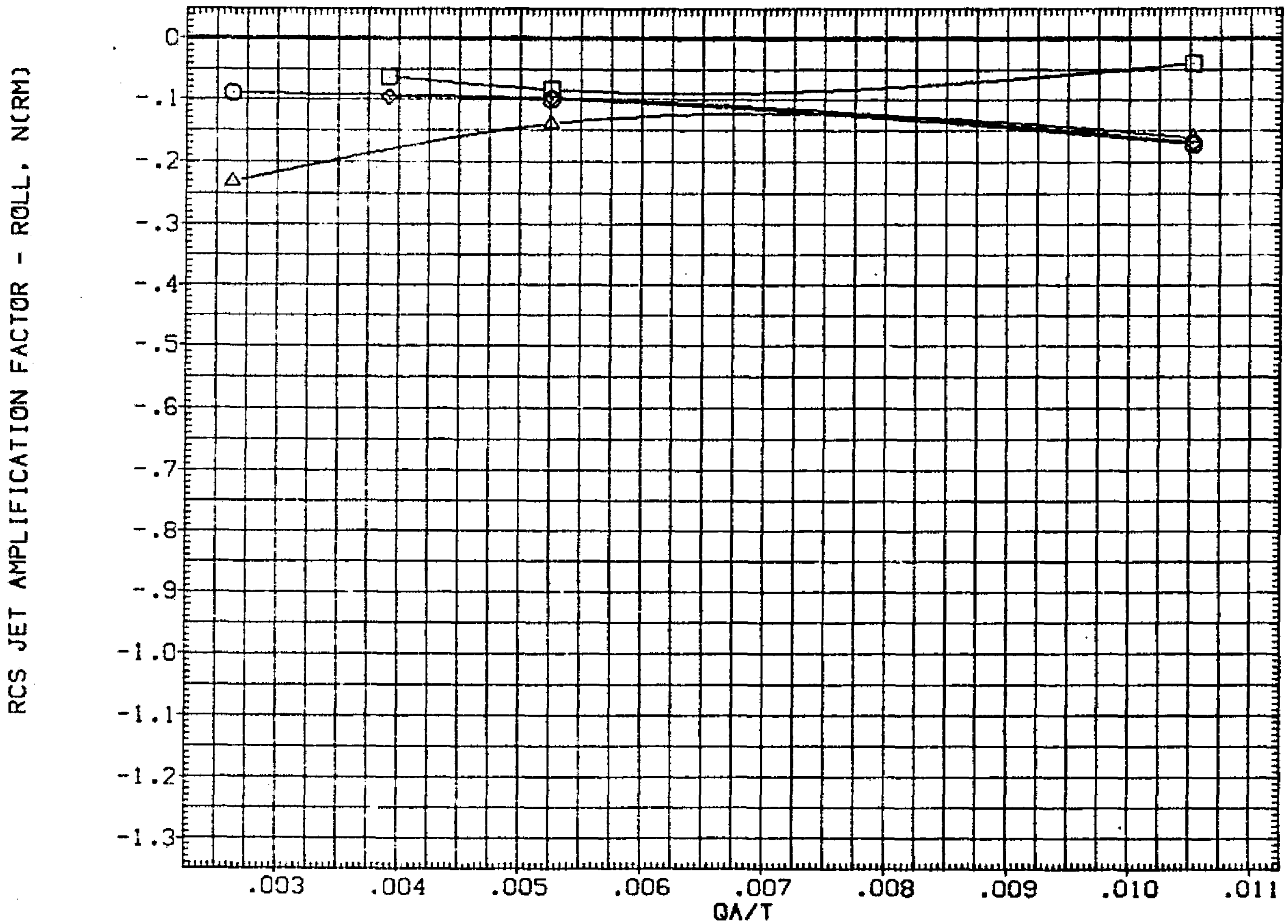

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(C)ALPHA = -4.00

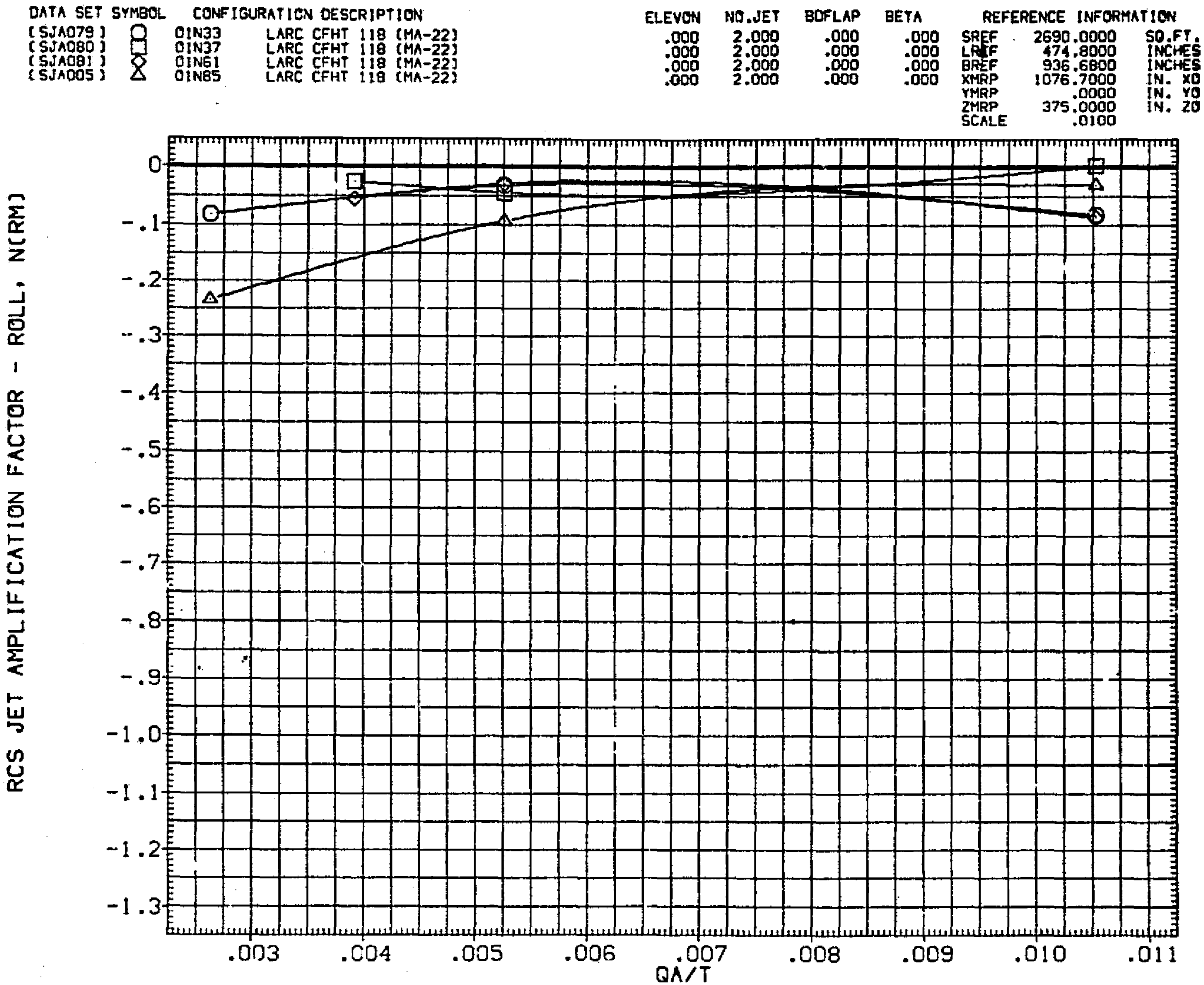

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	0IN33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	0IN37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	0IN81	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	0IN85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

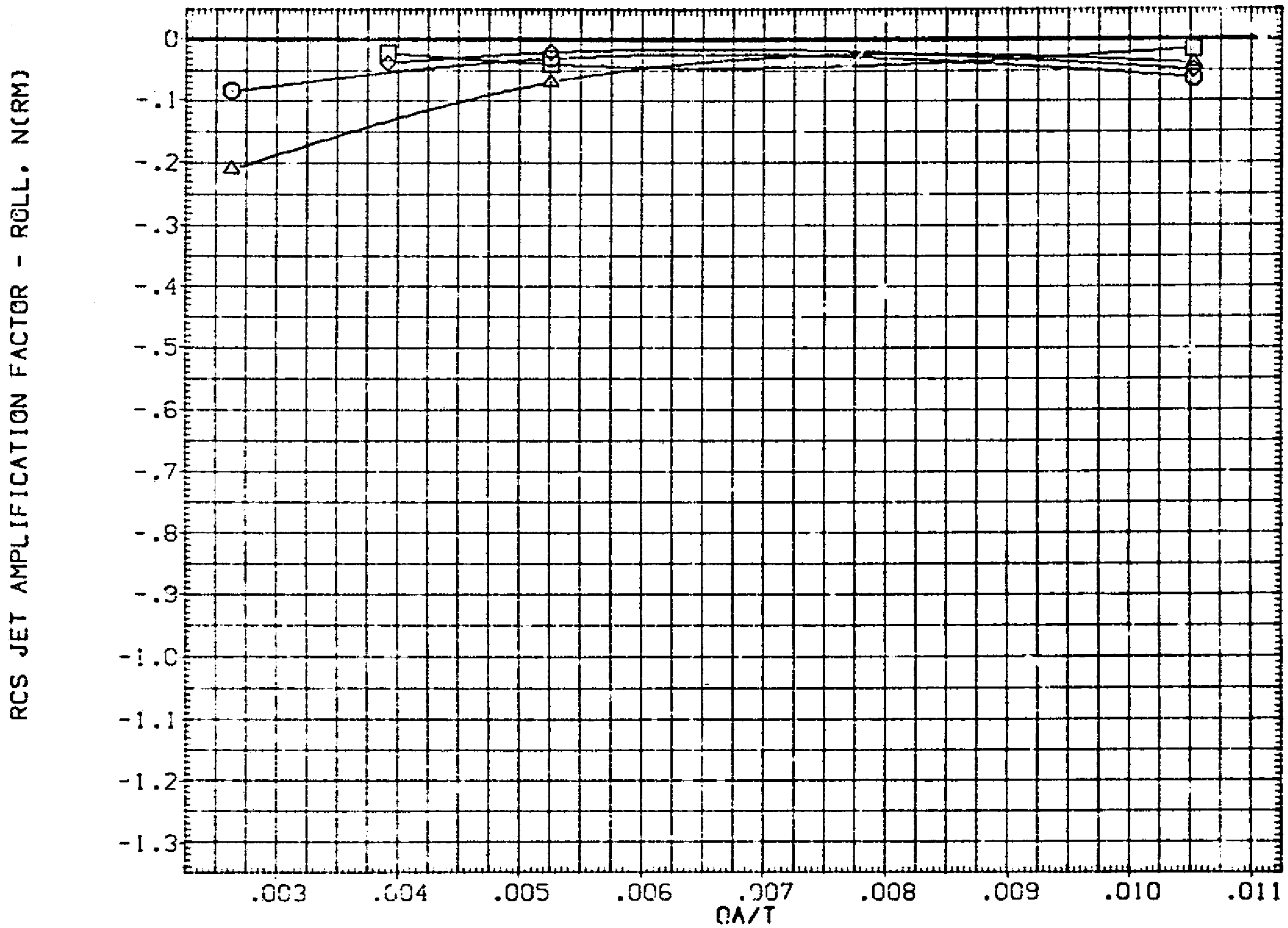

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

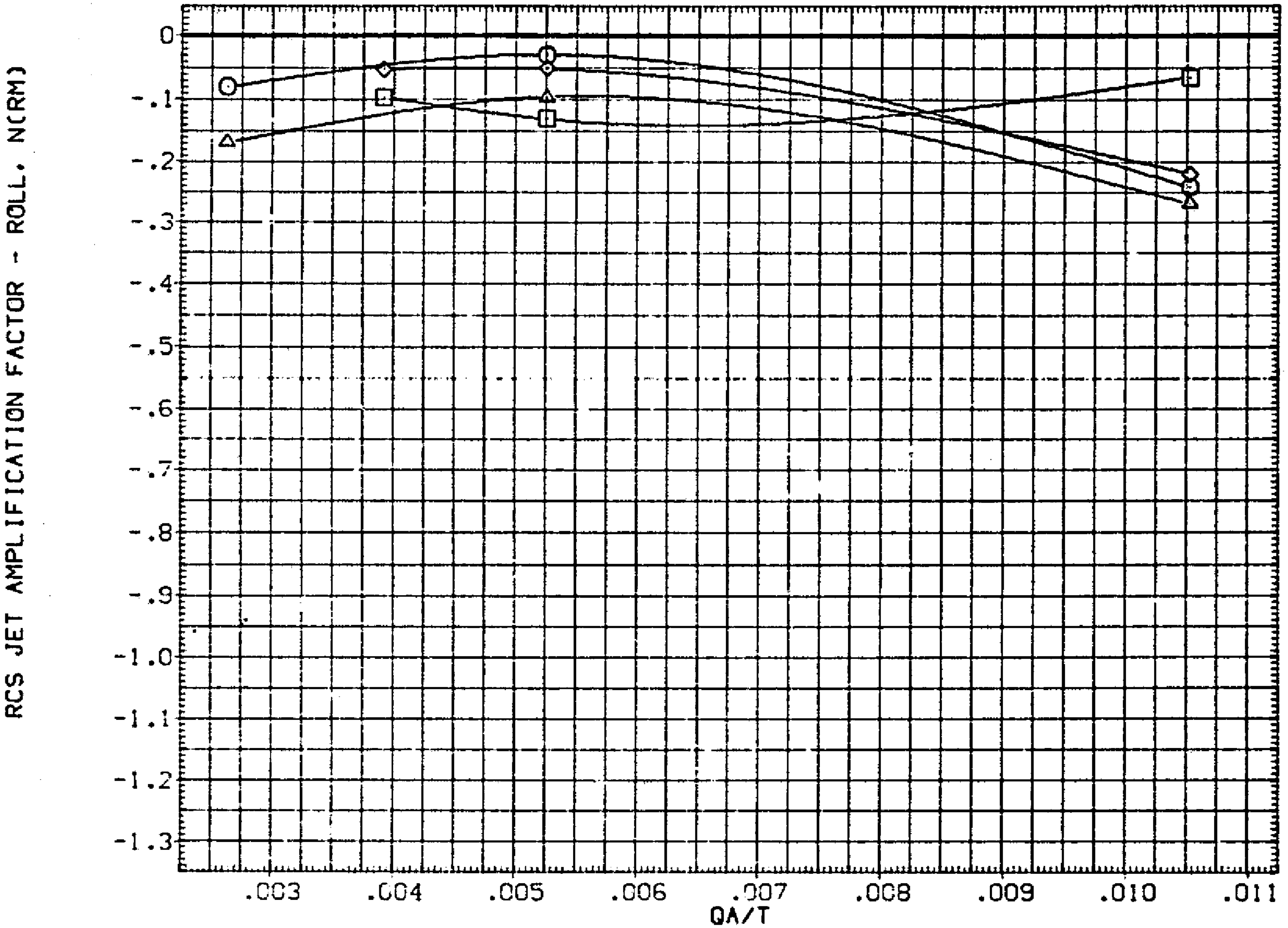

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

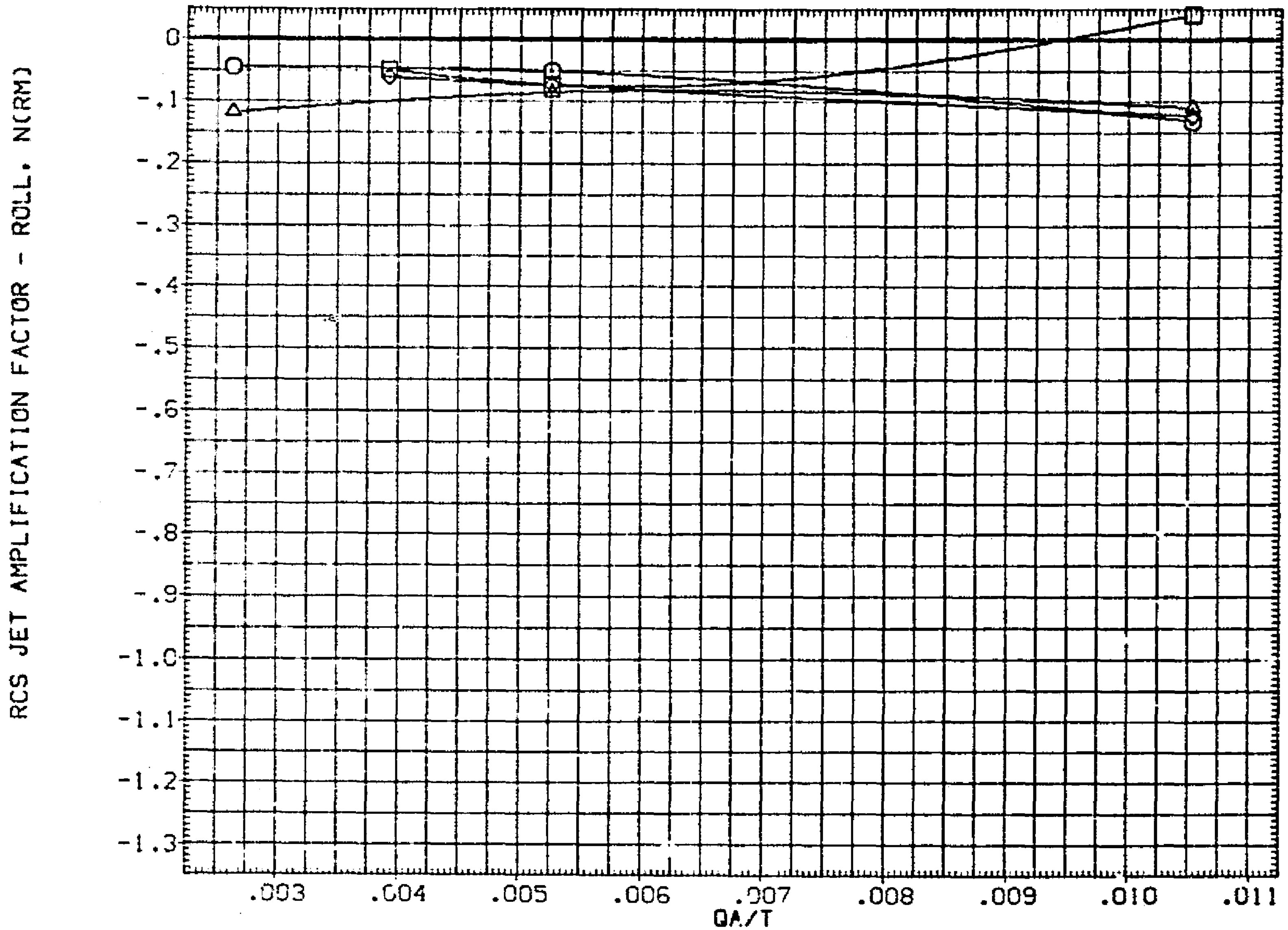

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA091)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

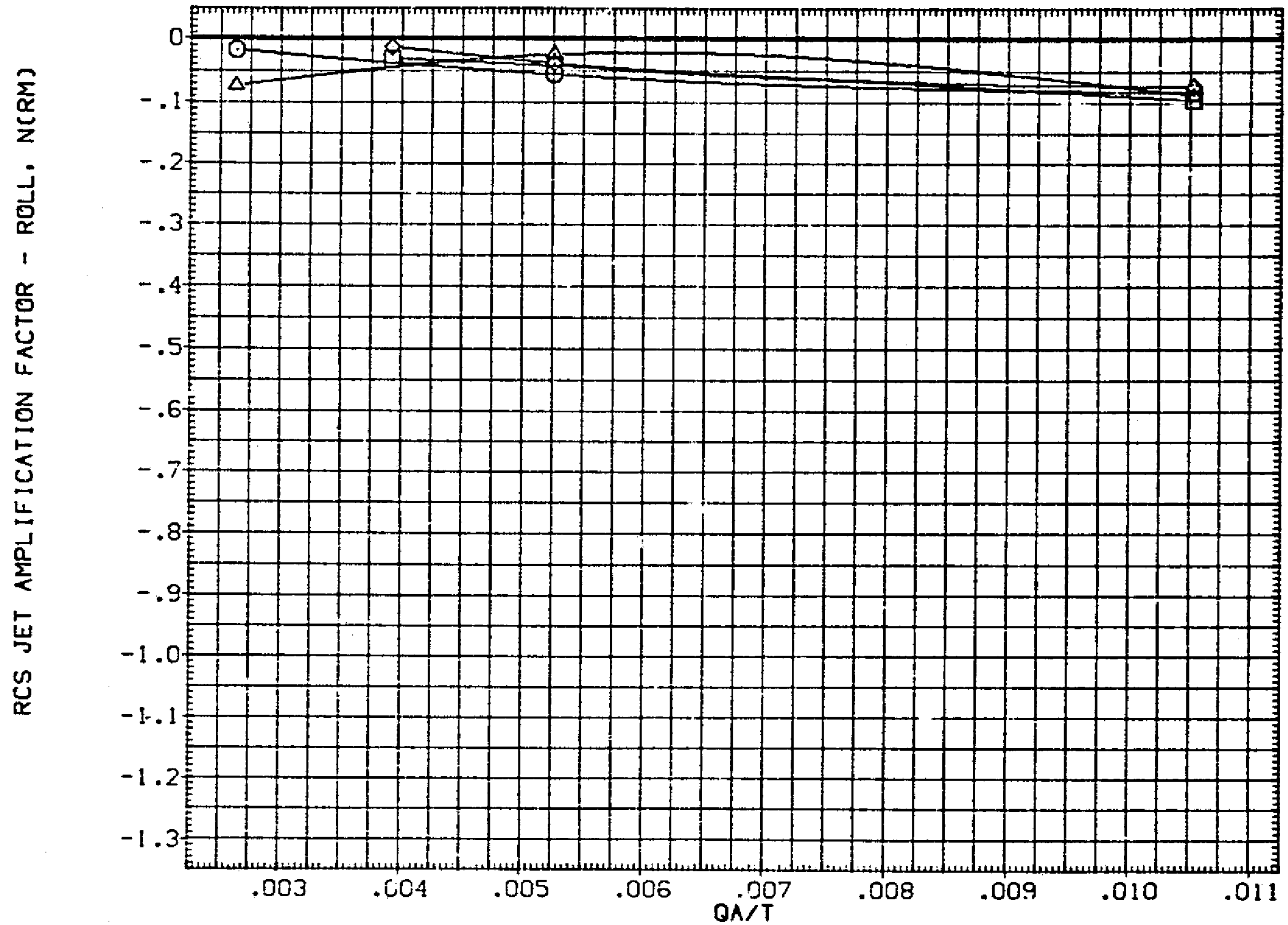

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	PDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

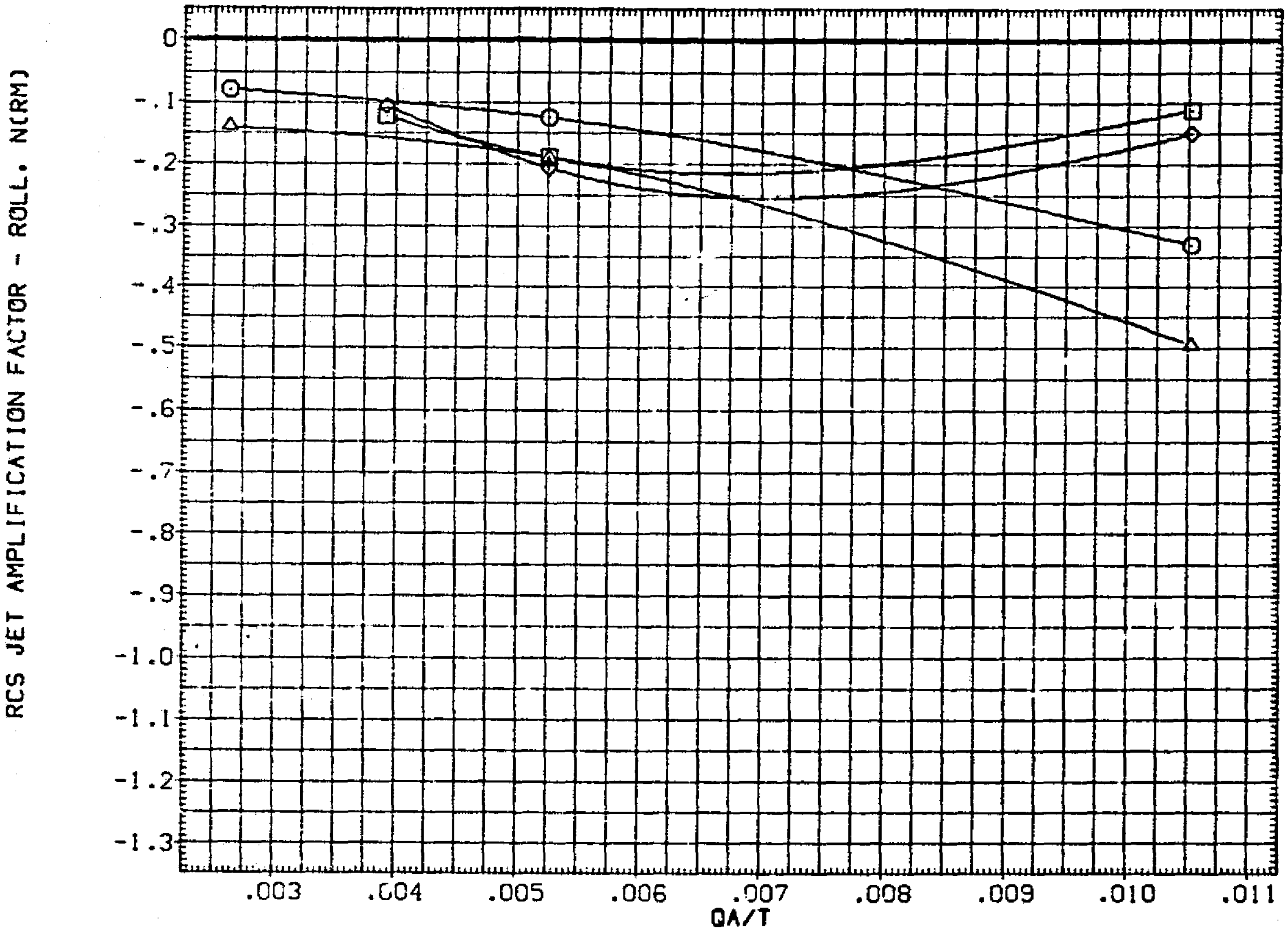

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

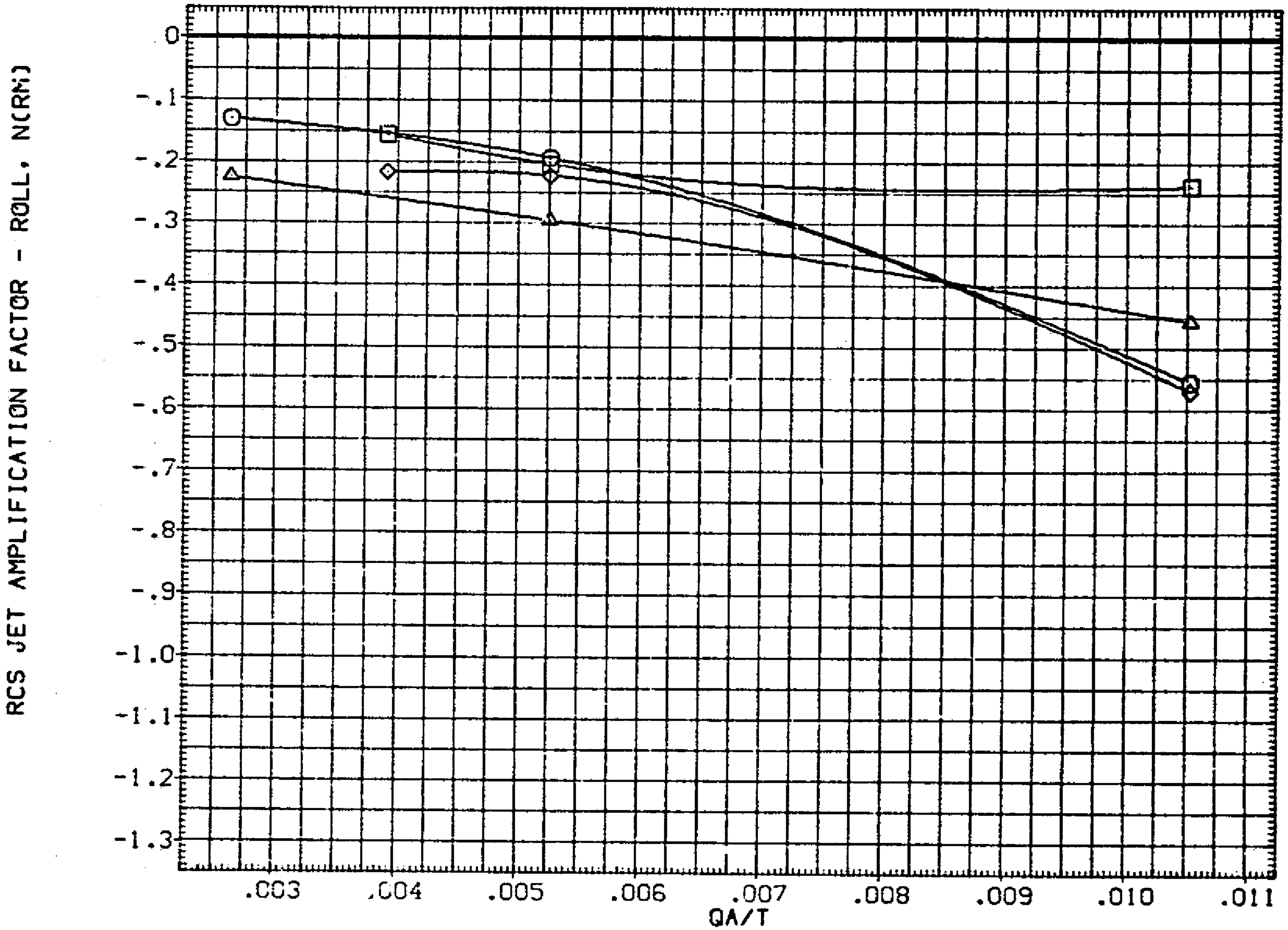

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

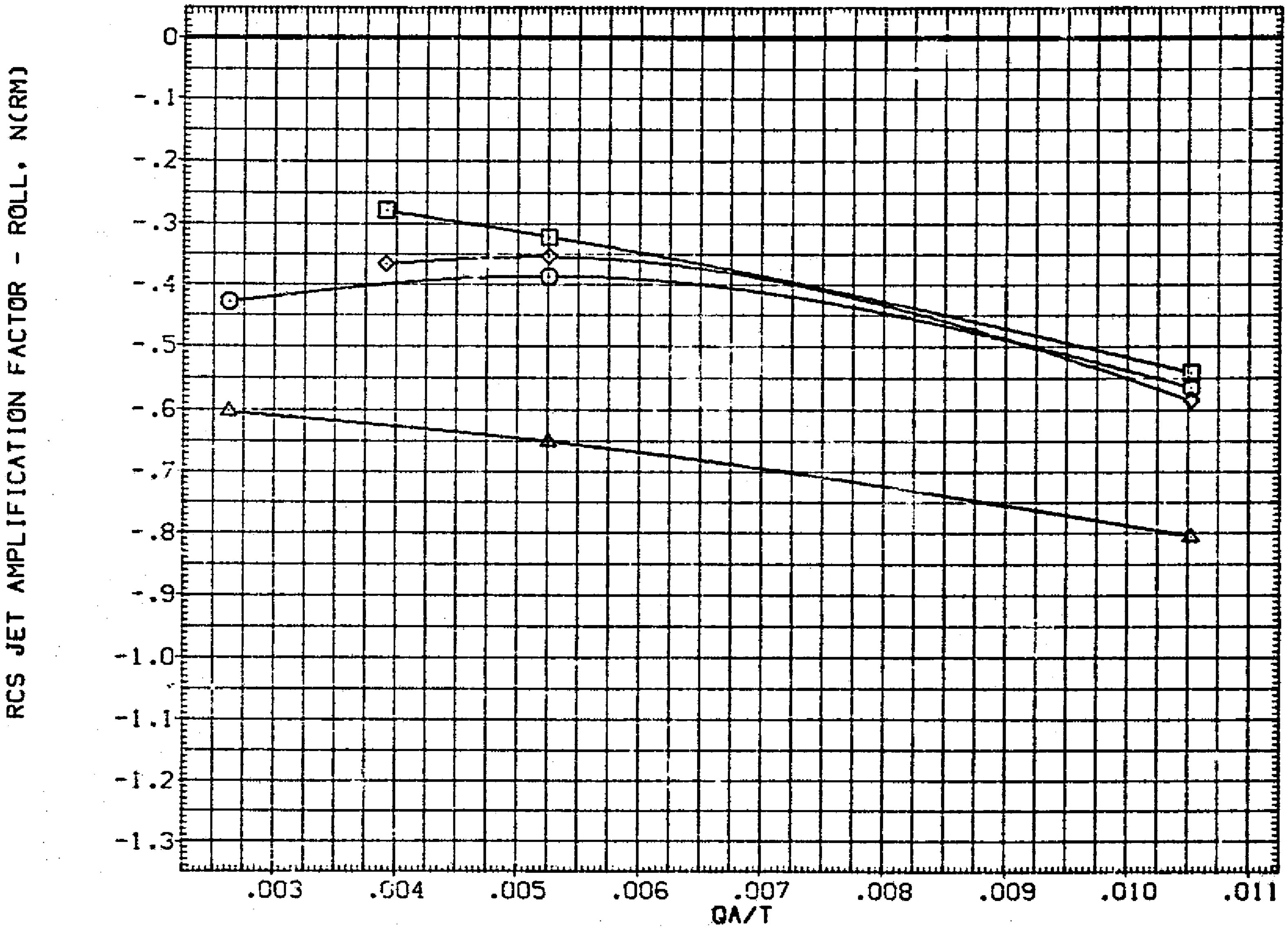

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

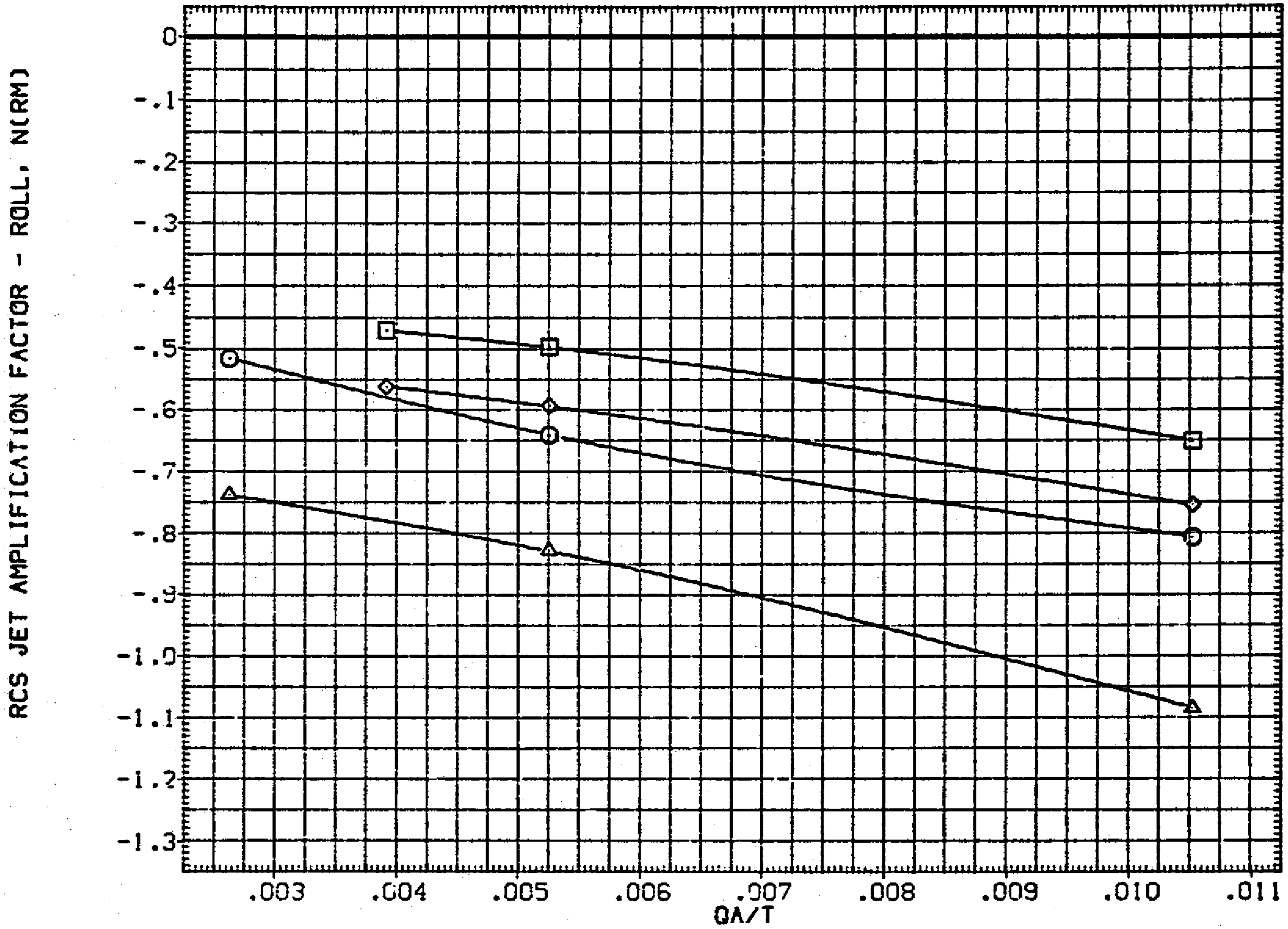

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

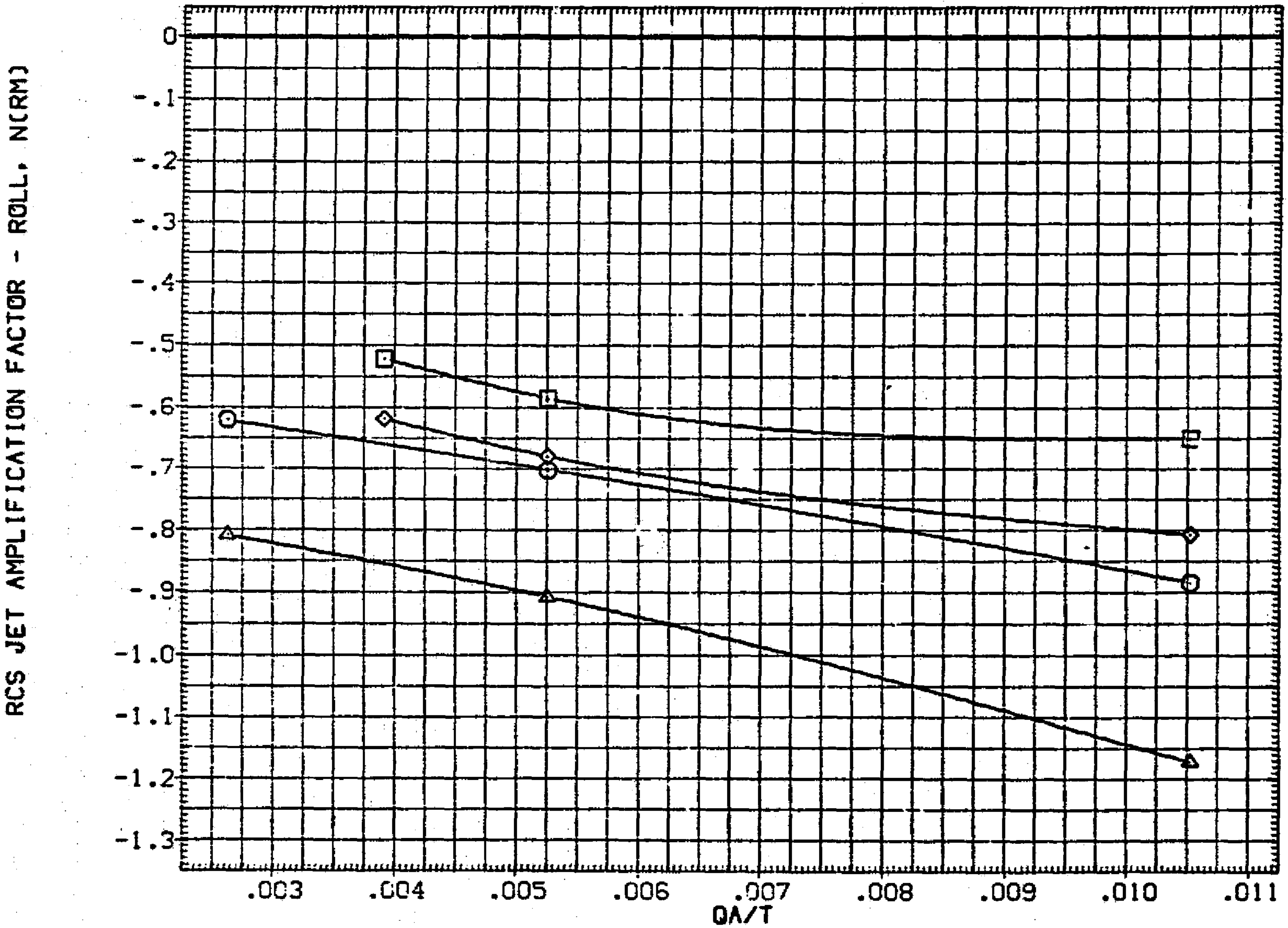

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

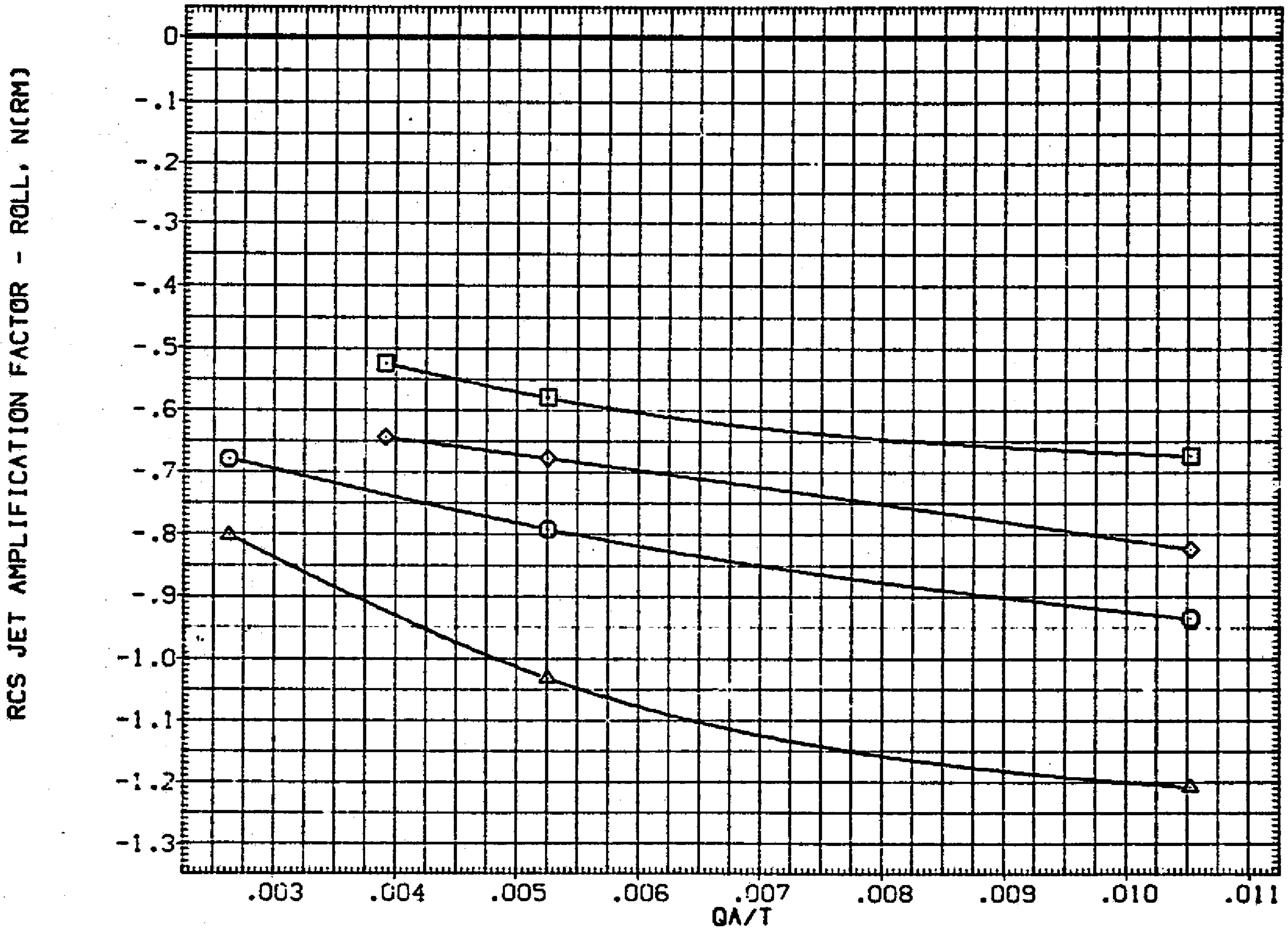

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

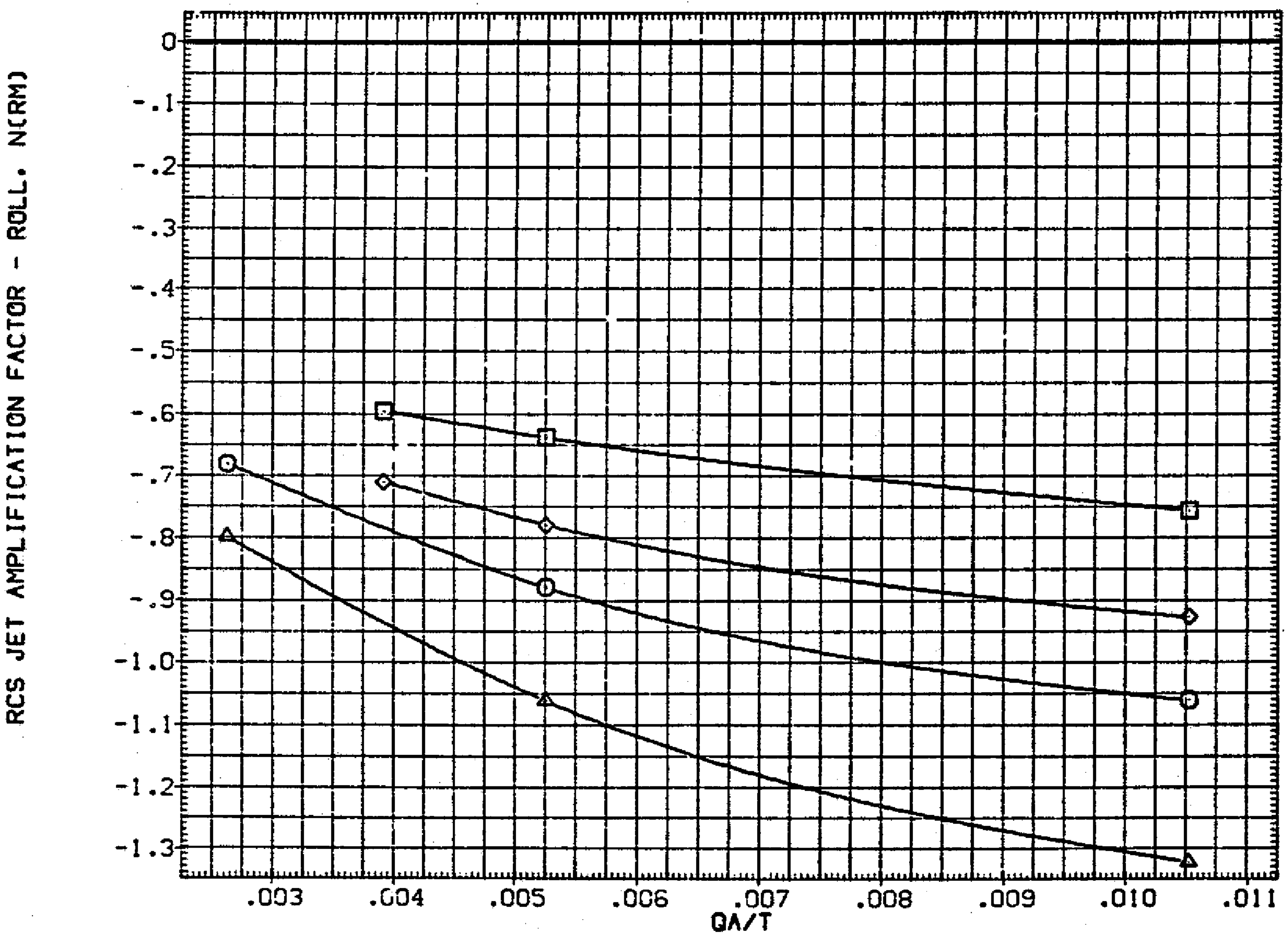

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(0)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

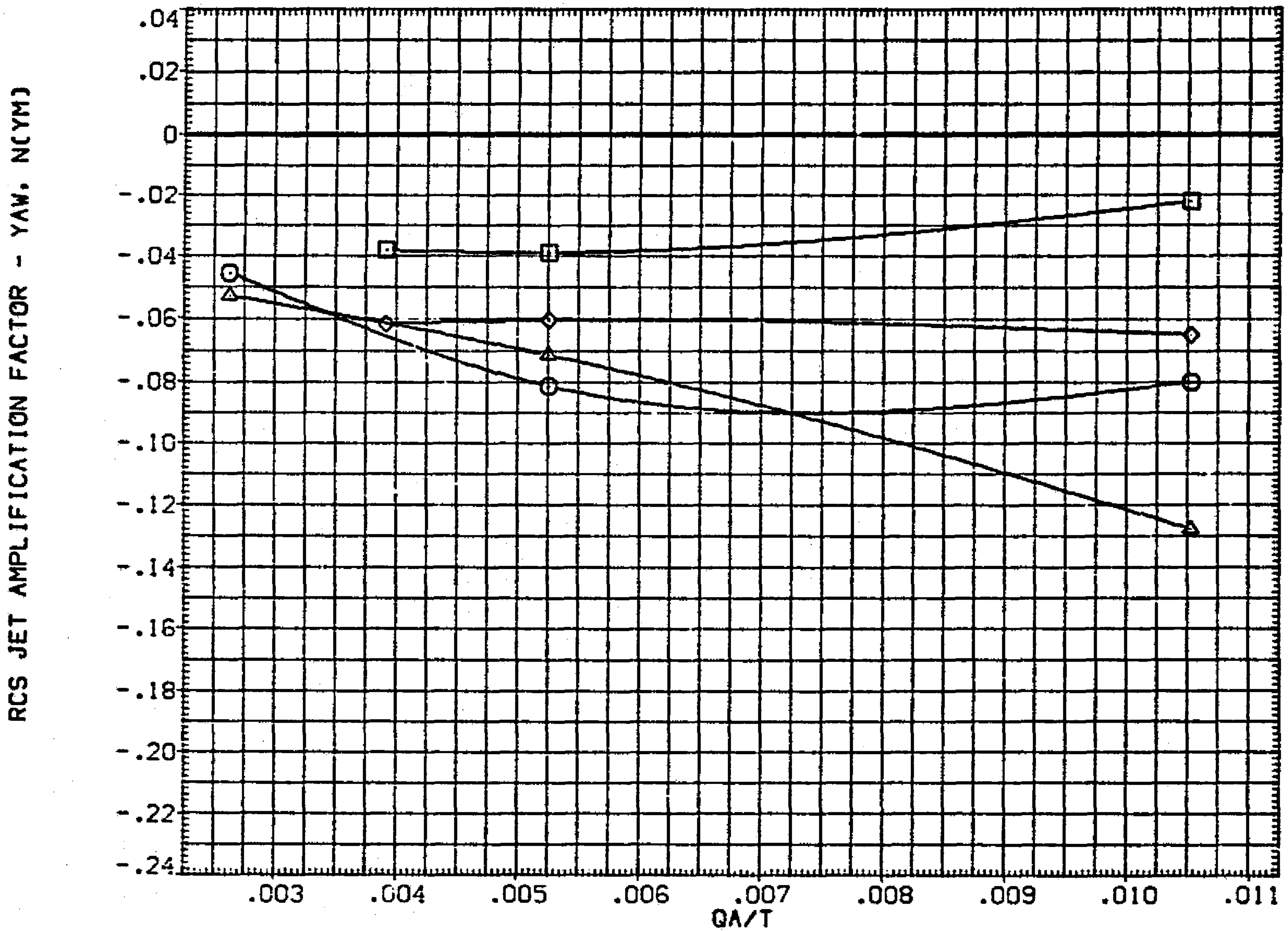

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA	REFERENCE INFORMATION		
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	SREF	2690.0000	SQ.FT.
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	LREF	474.8000	INCHES
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	BREF	936.6800	INCHES
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	XMRP	1076.7000	IN. XO
								YMRP	.0000	IN. YO
								ZMRP	375.0000	IN. ZO
								SCALE	0100	

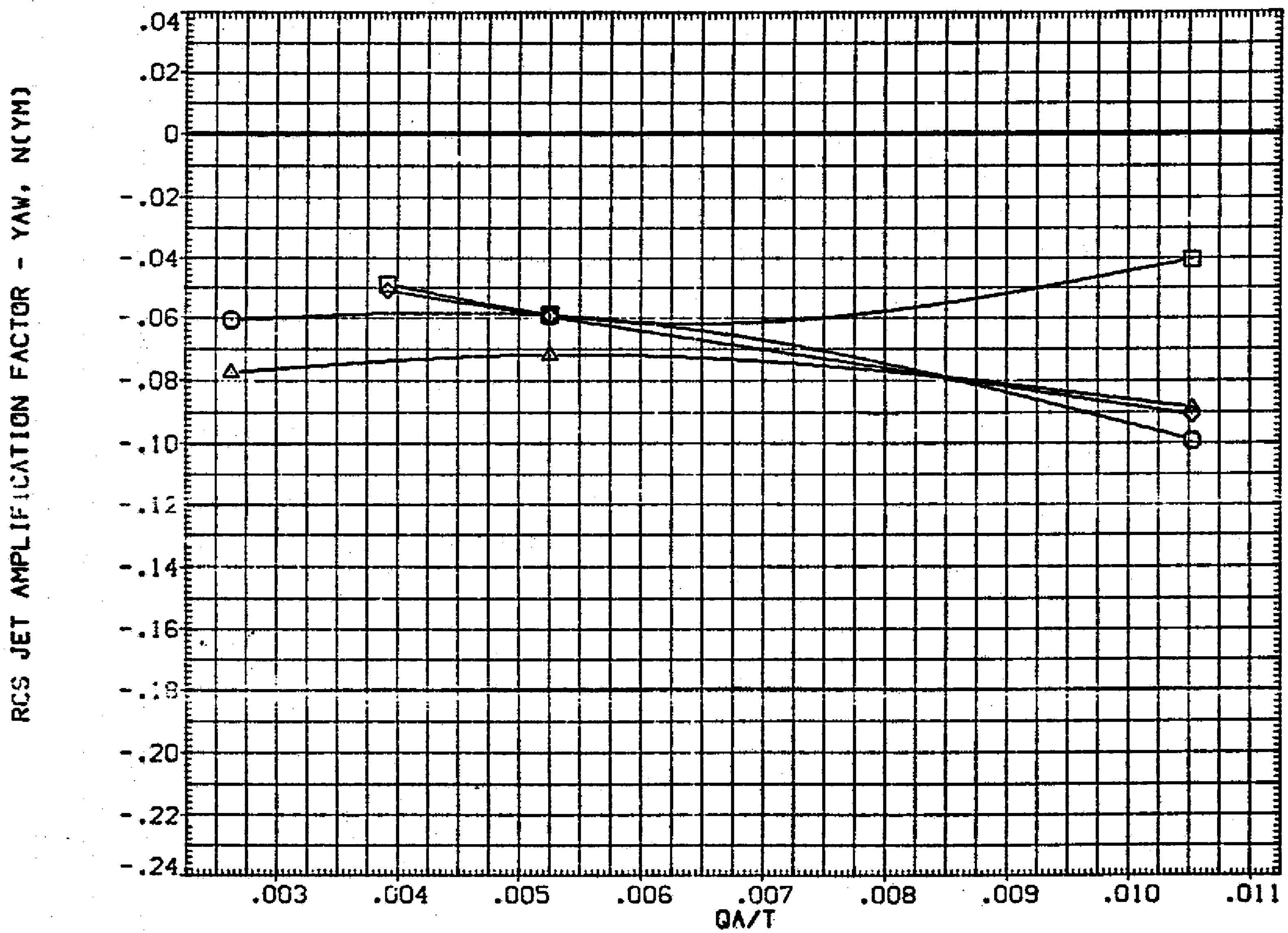

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XC
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

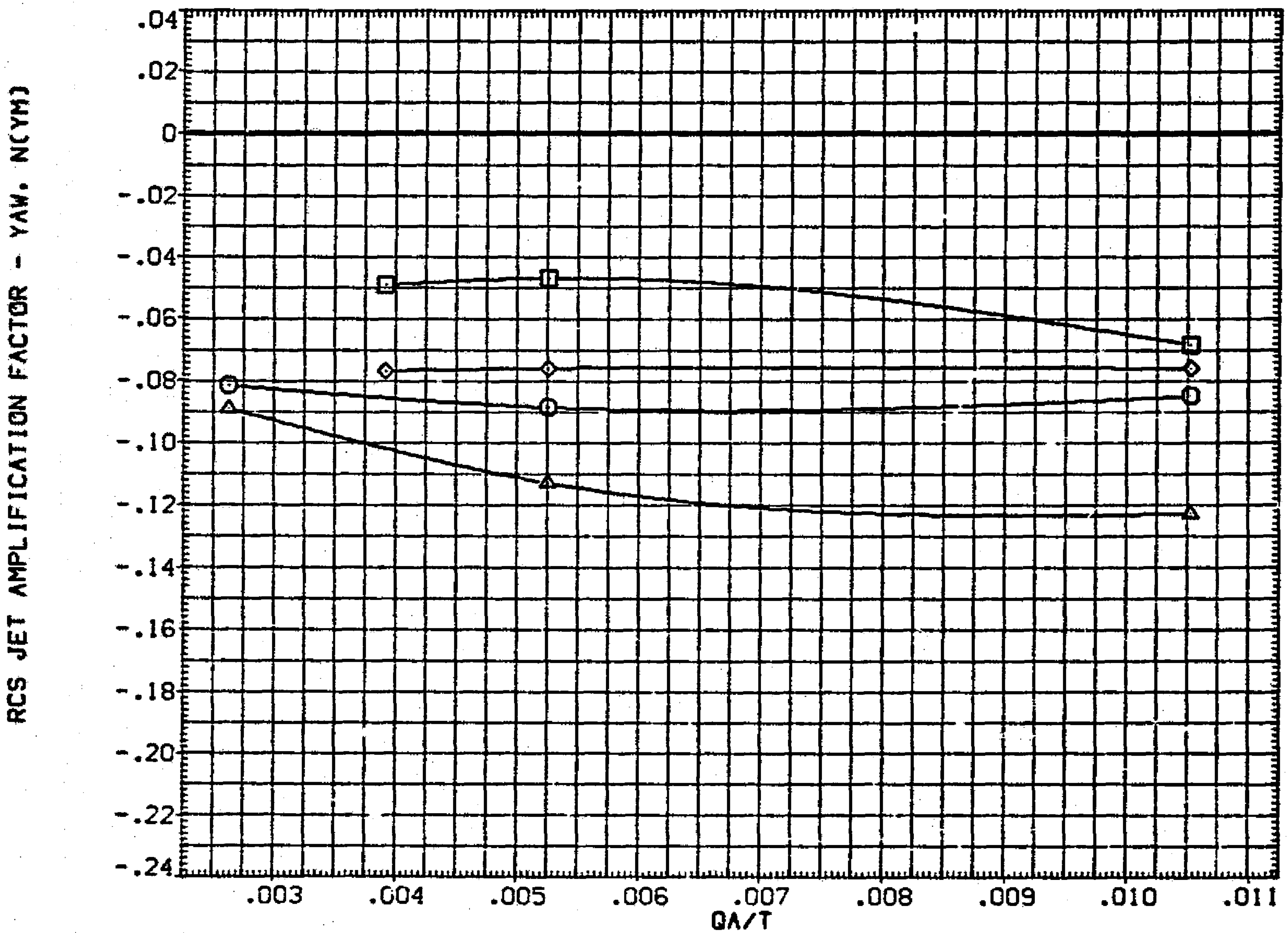

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	0IN33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	0IN37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	0IN61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	0IN85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

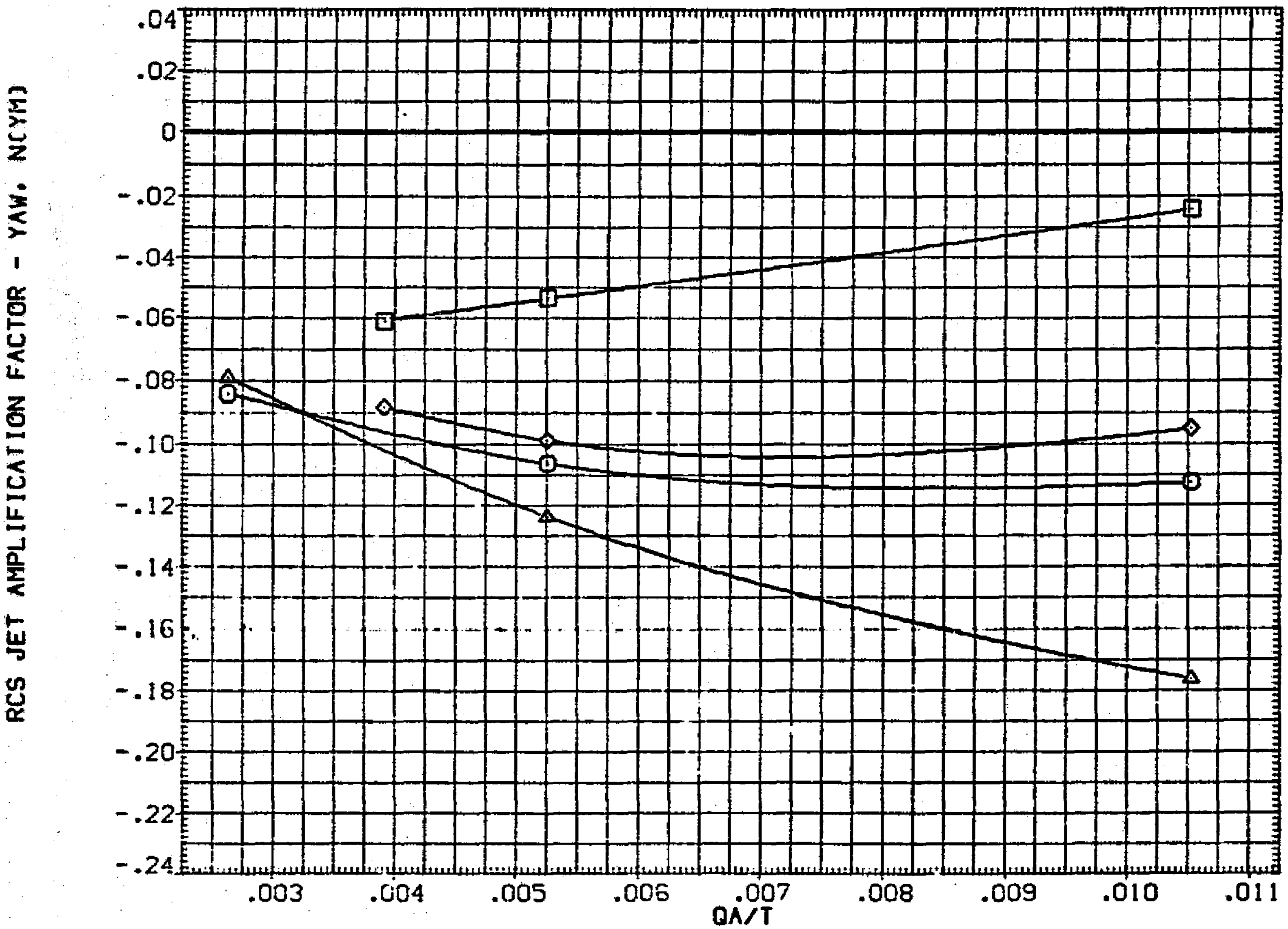

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

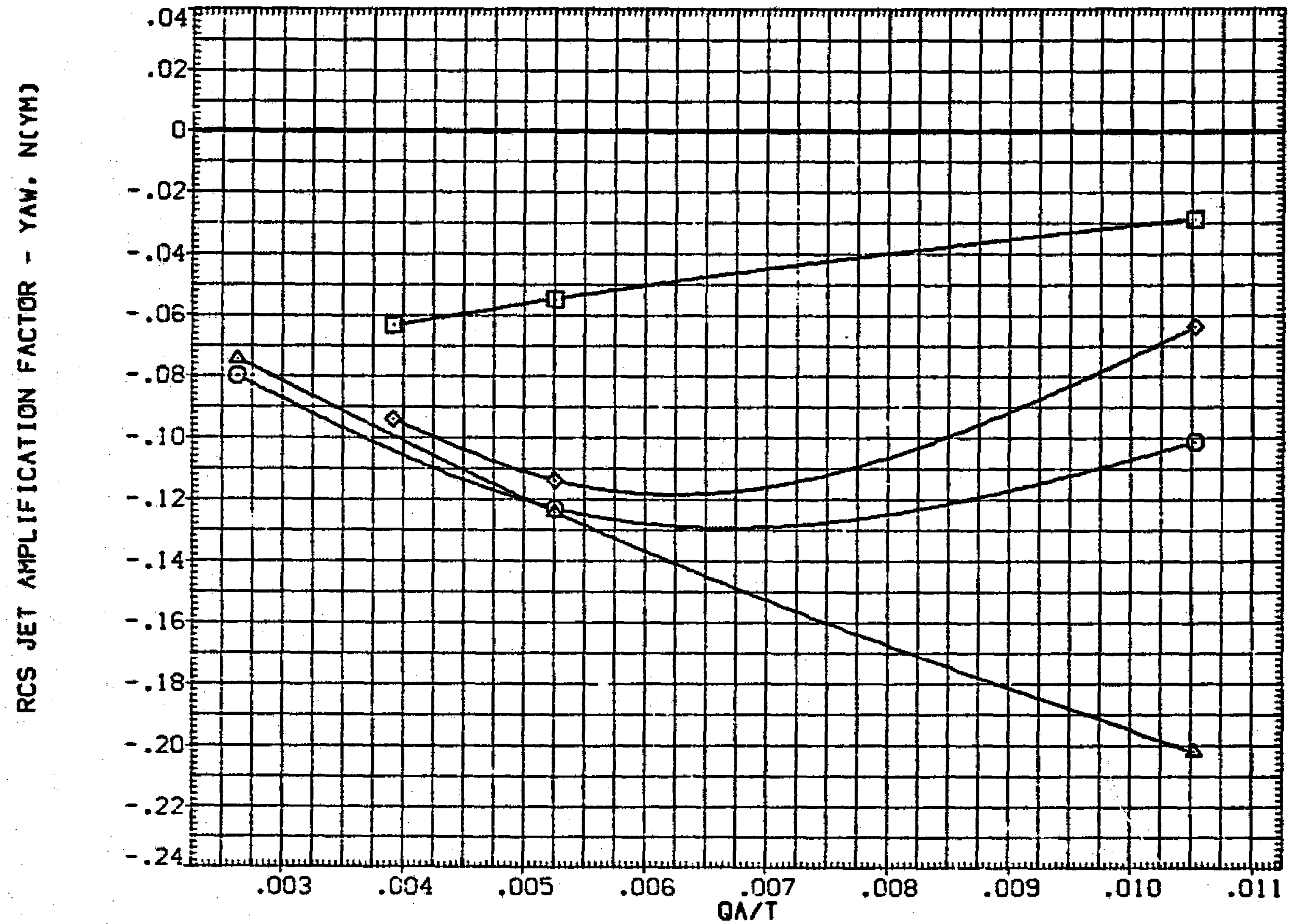

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	O	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

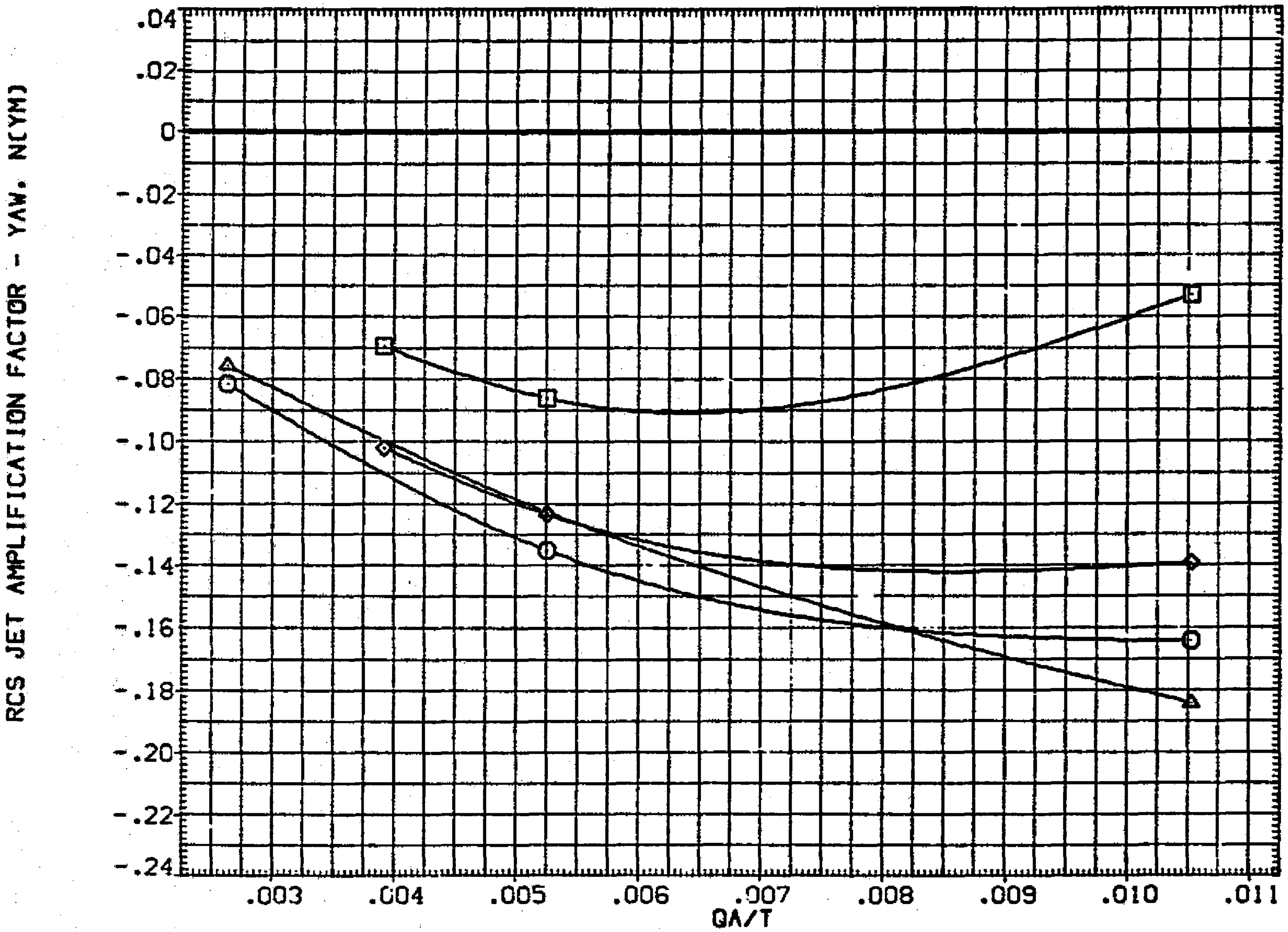

FIGURE S5. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(F)ALPHA = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

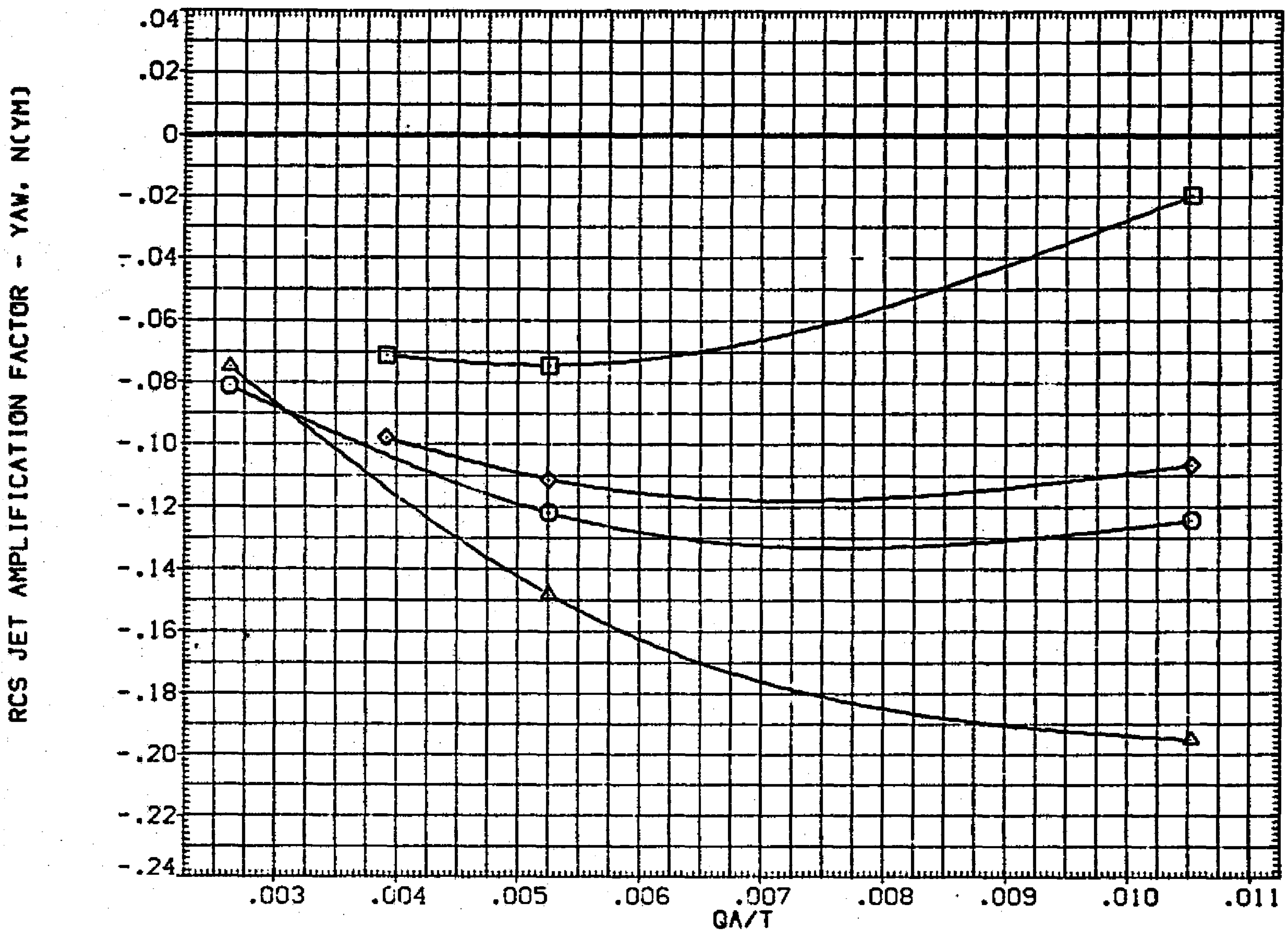

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(G)ALPHA = 4.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
[SJA079]	O	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[SJA080]	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[SJA081]	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
[SJA005]	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

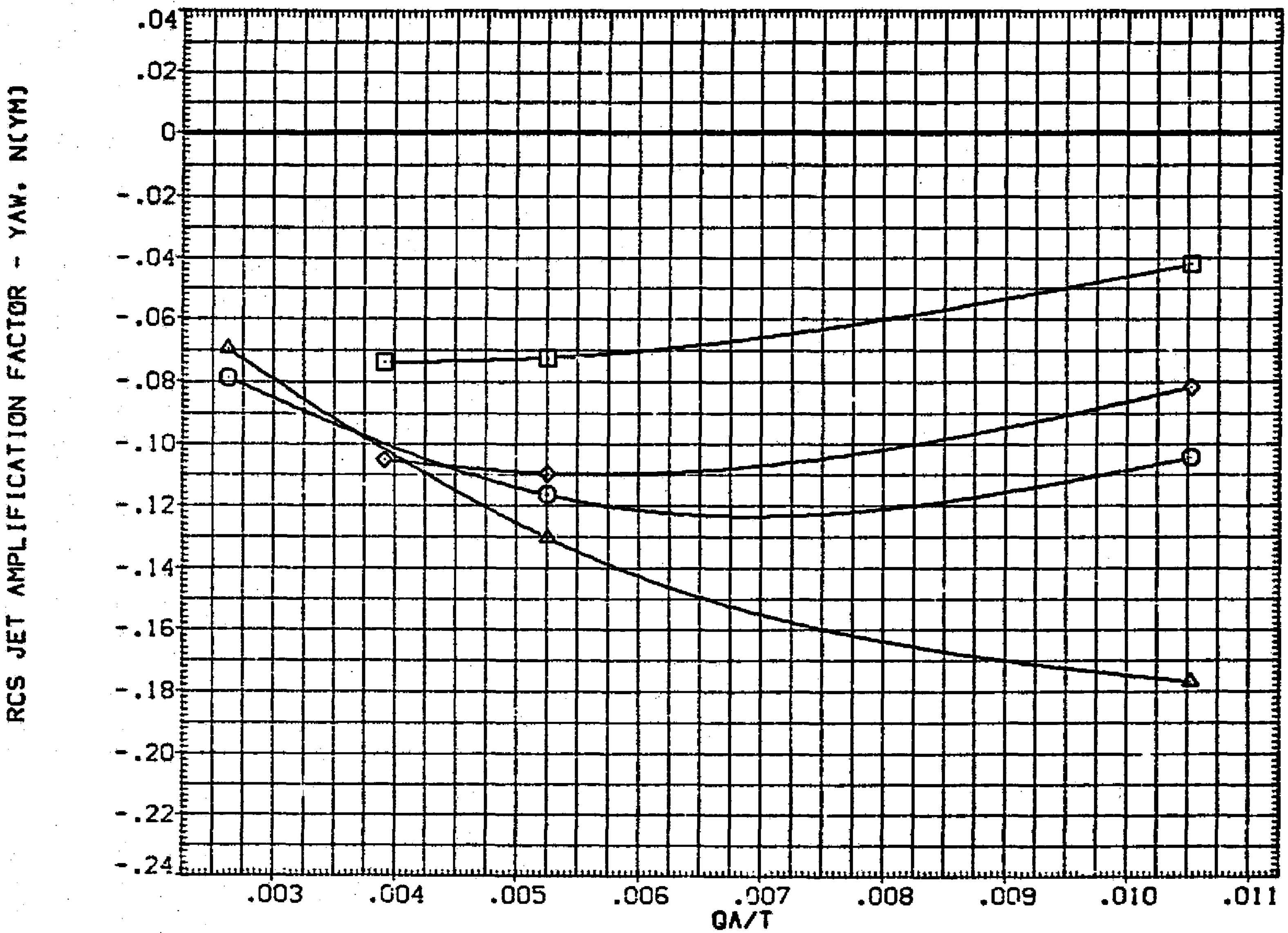

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA	REFERENCE INFORMATION		
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	SREF	2690.0000	SQ.FT.
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	LREF	474.8000	INCHES
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	BREF	936.6800	INCHES
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000	XMRP	1076.7000	IN. XO
								YMRP	.0000	IN. YO
								ZMRP	375.0000	IN. ZO
								SCALE	.0100	

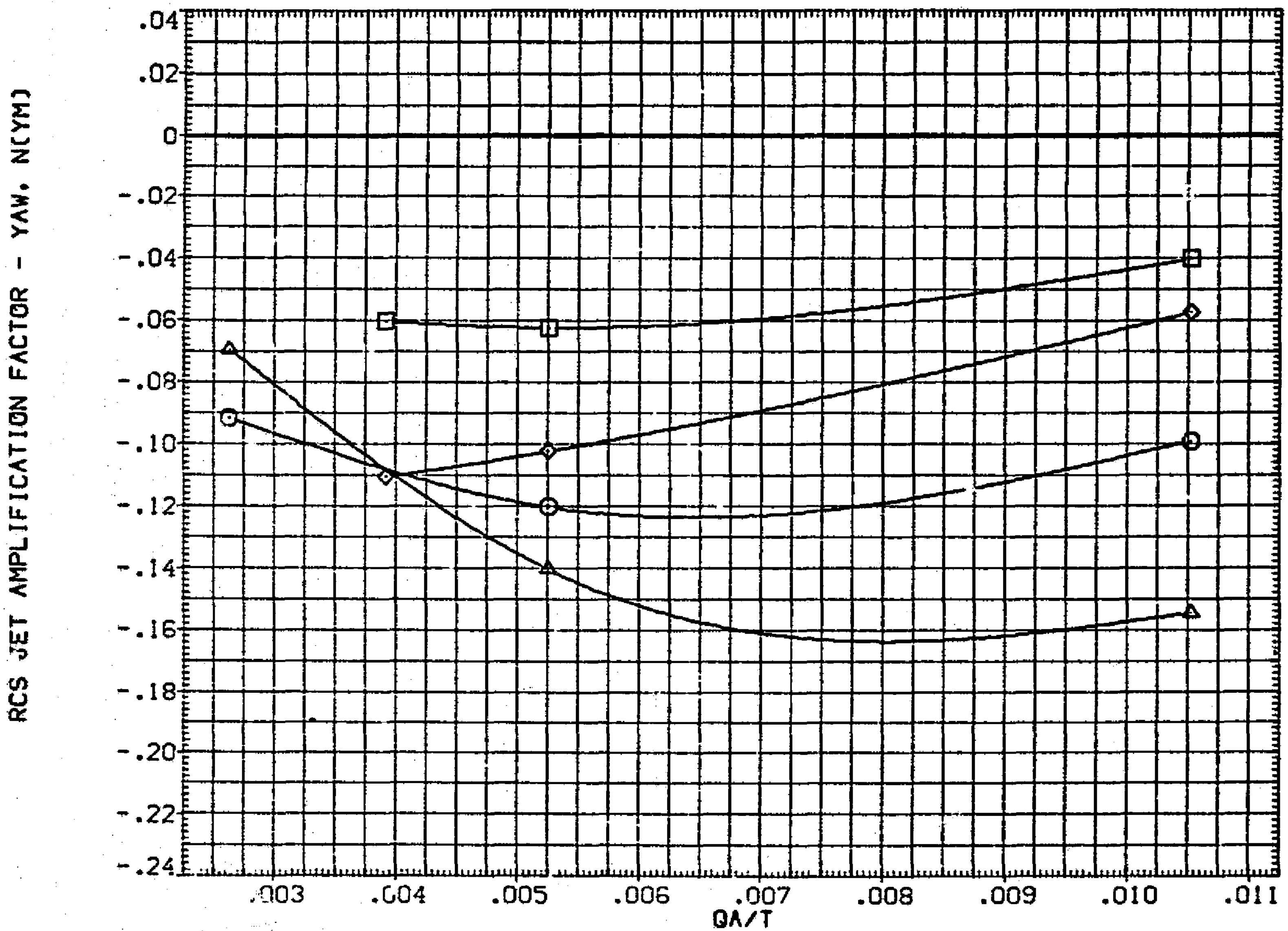

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(I)ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

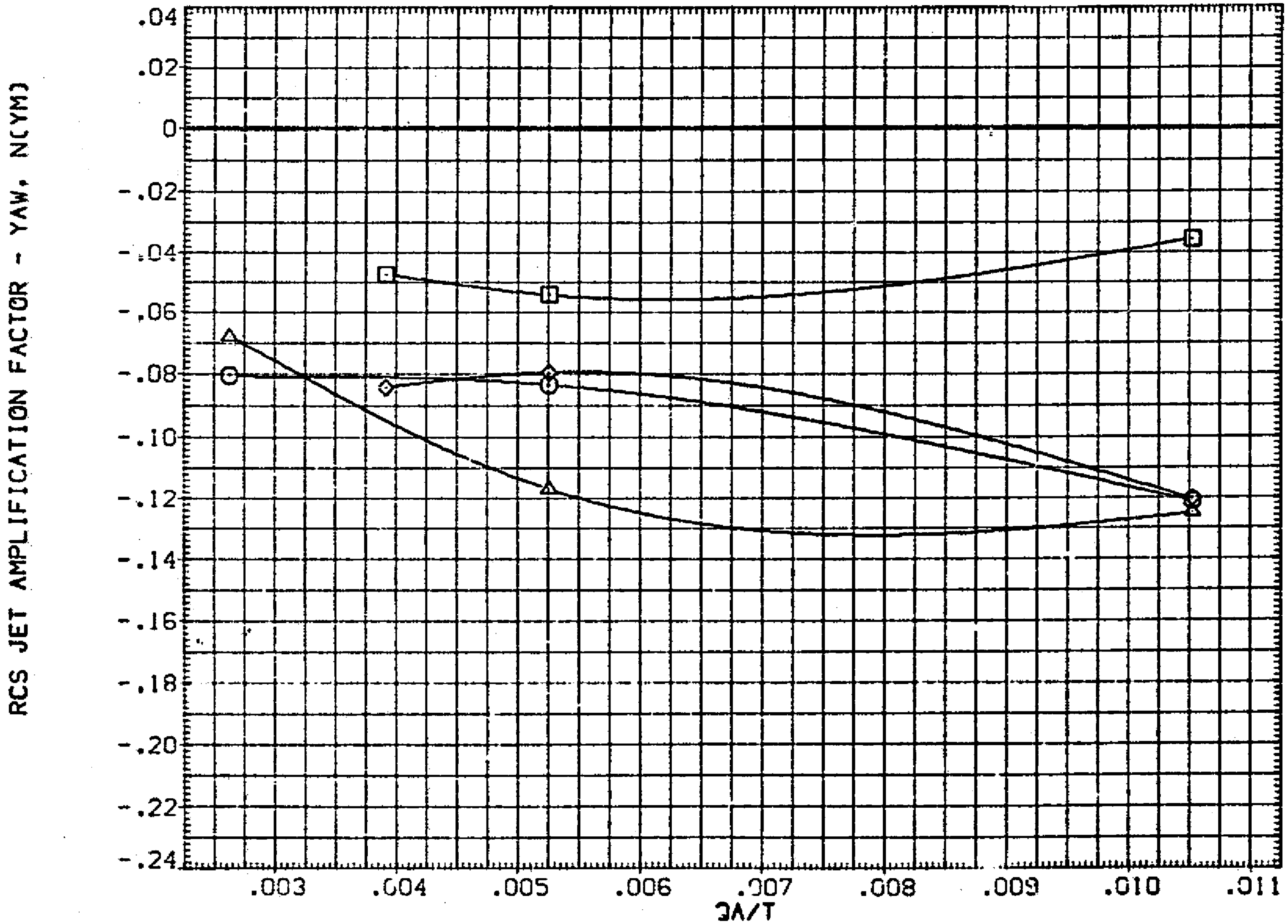

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

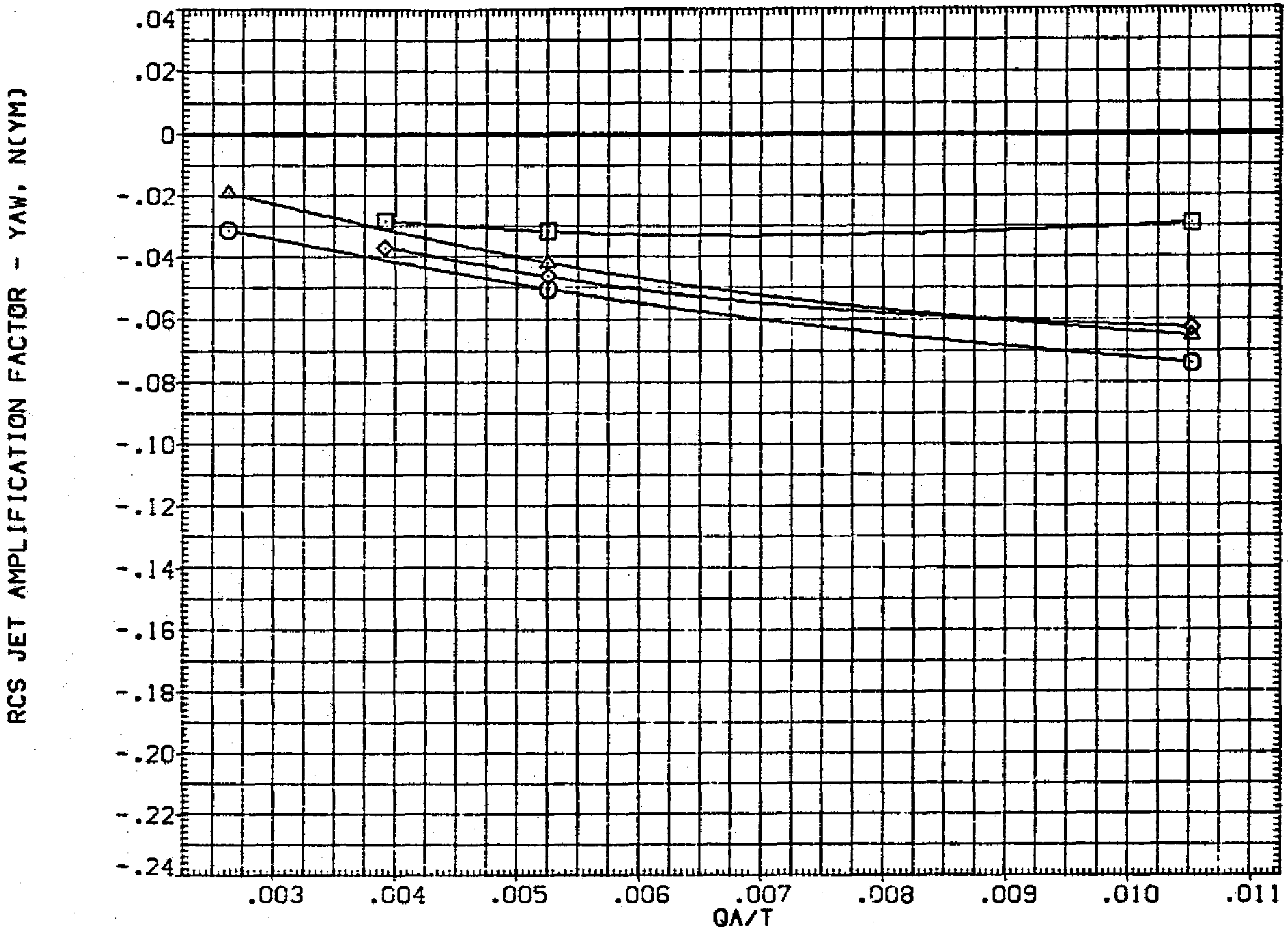

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(K)ALPHA = 15.00

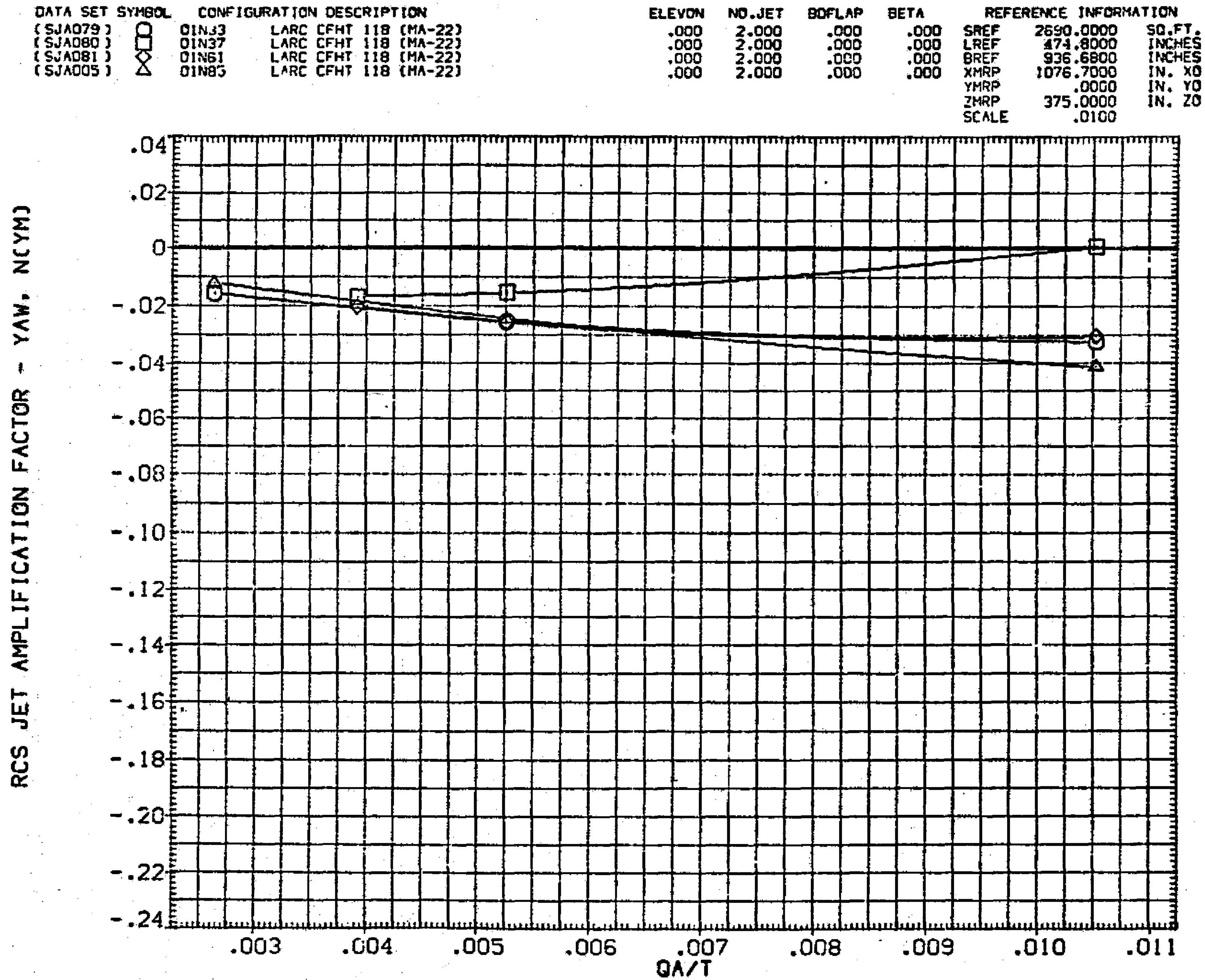

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(L)ALPHA = 20.00

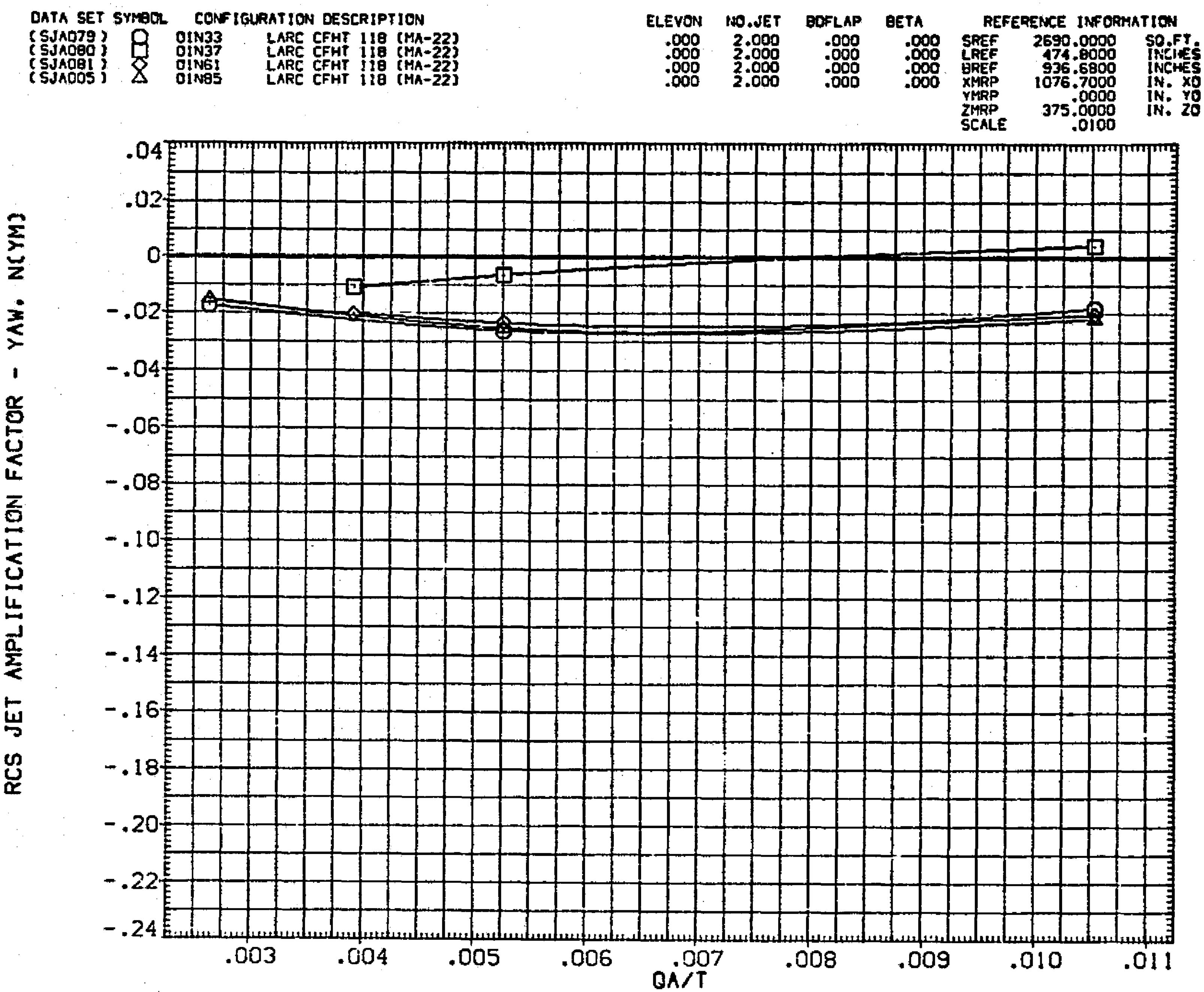

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

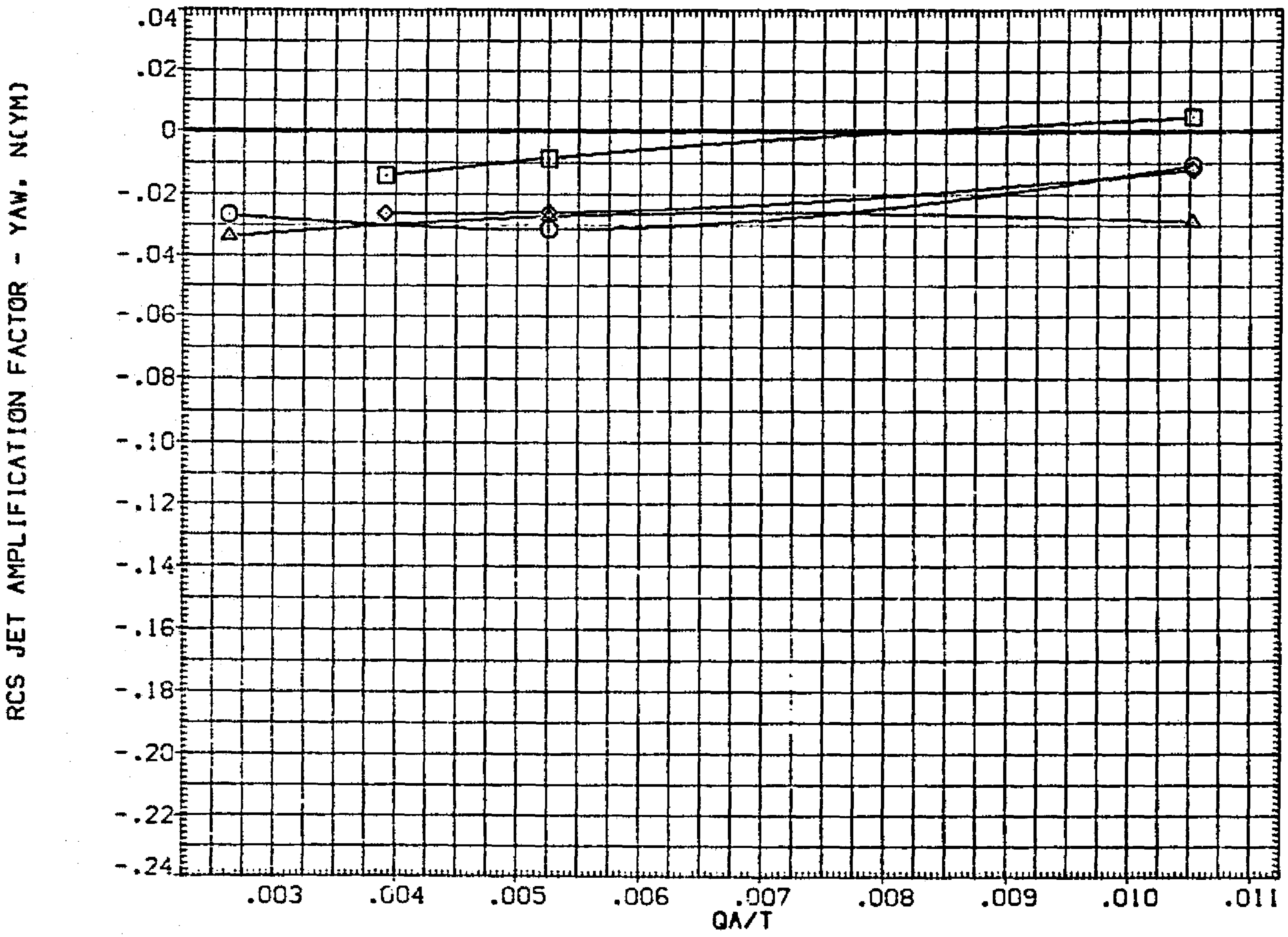

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	O	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

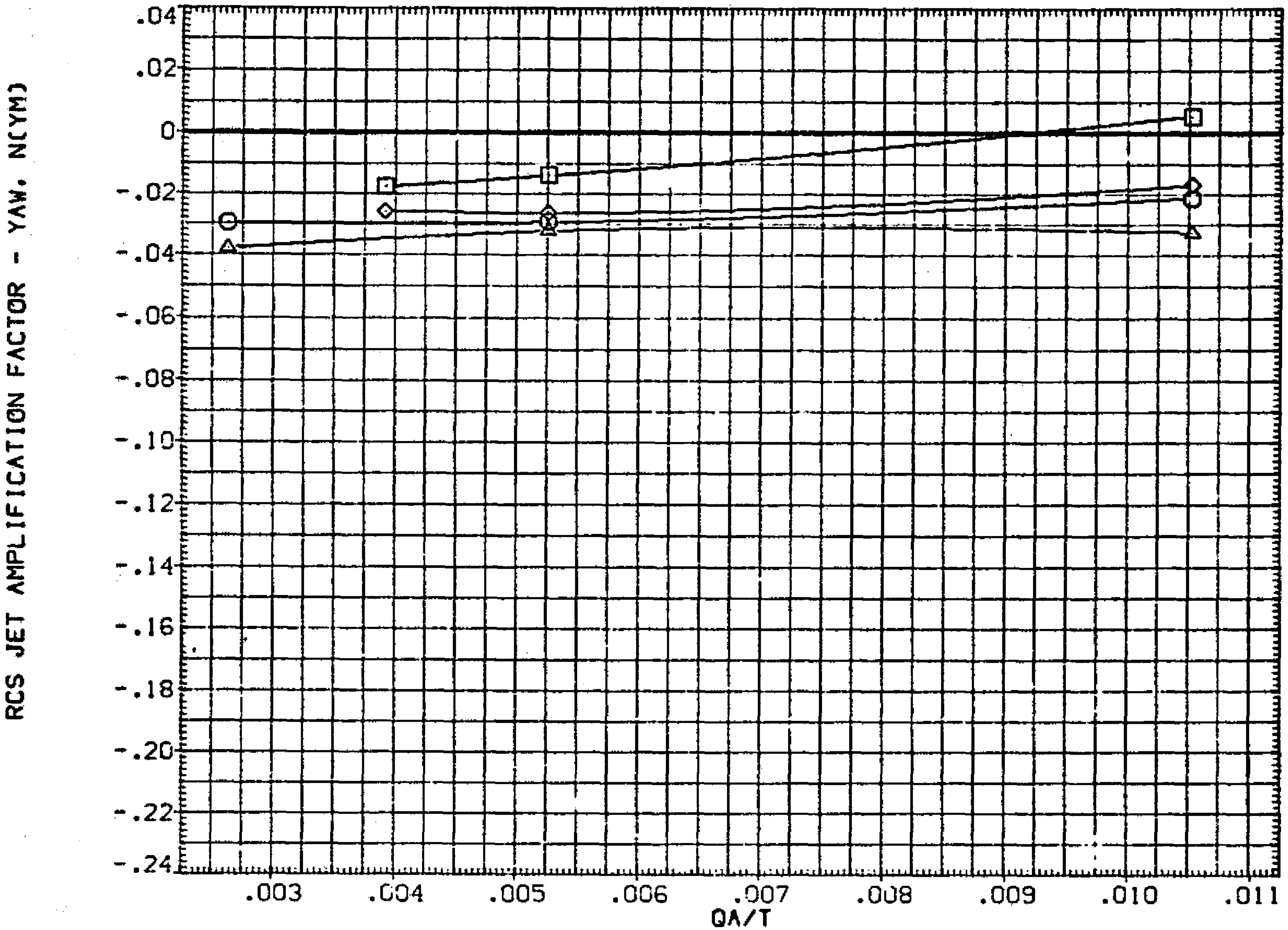

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(O)ALPHA = 35.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	0IN33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	0IN37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	0IN61	LARC CFHT 118 (MA-22)	000	2.000	.000	.000
(SJA005)	△	0IN85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

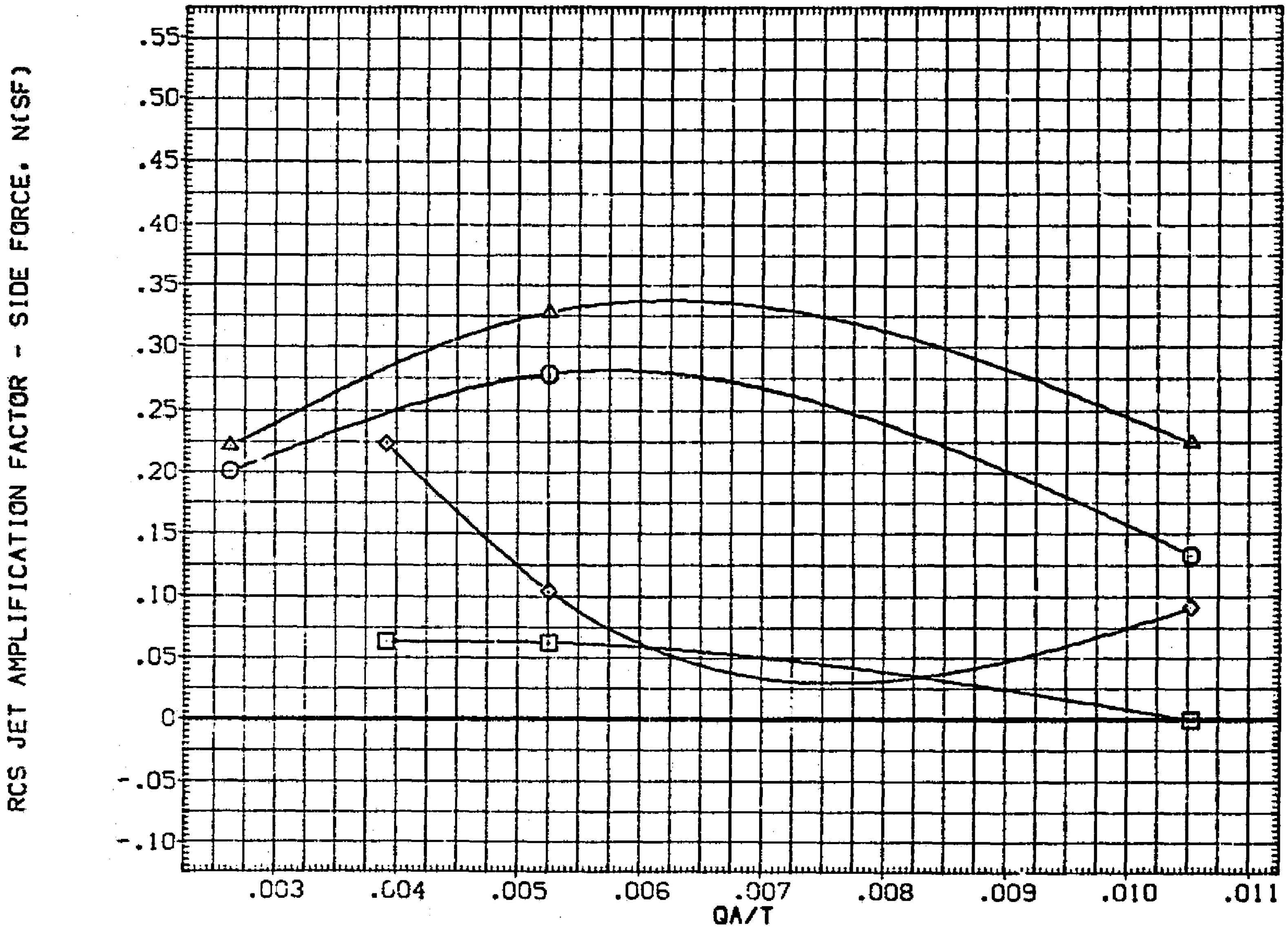

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(A)ALPHA = -8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJAC05)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

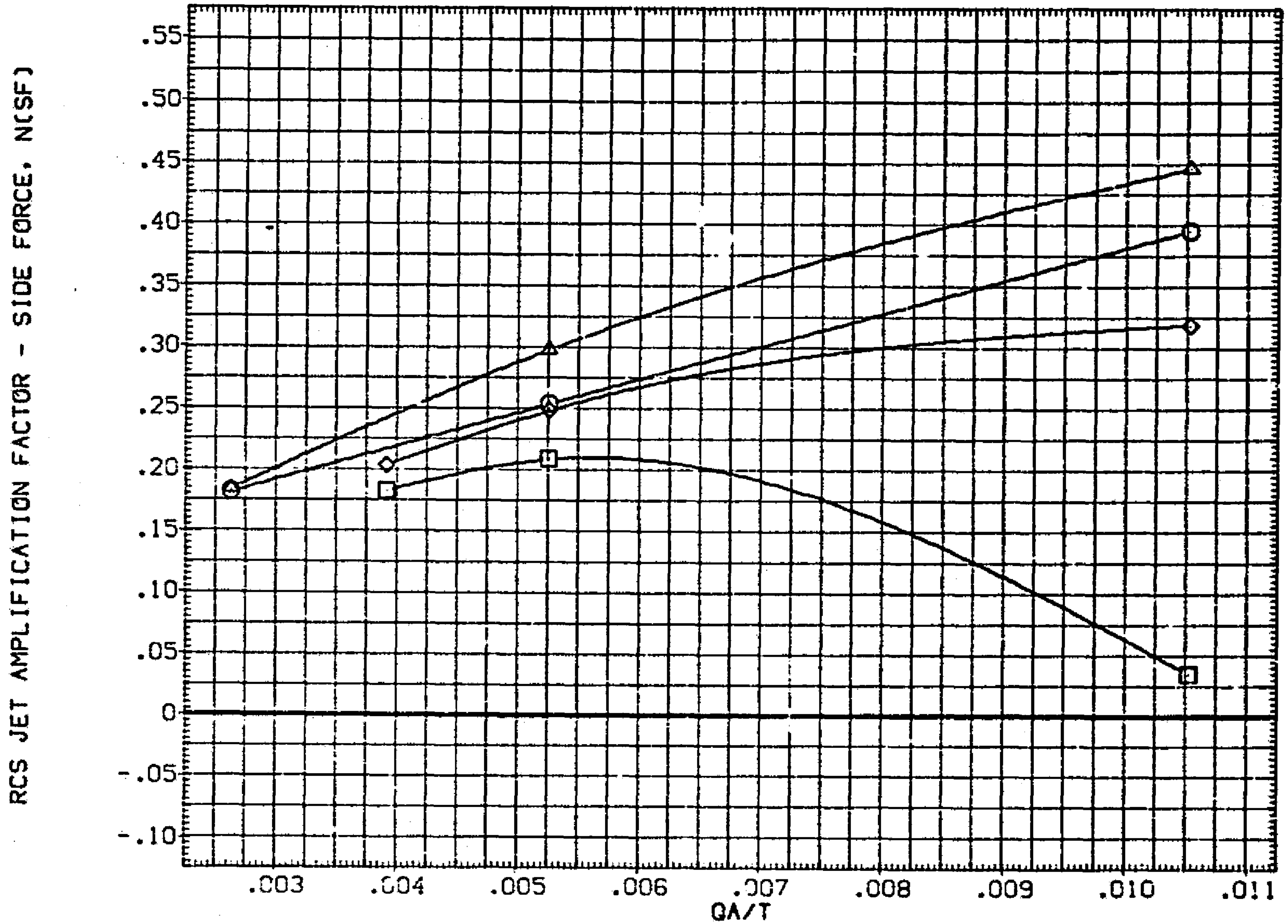

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(B)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

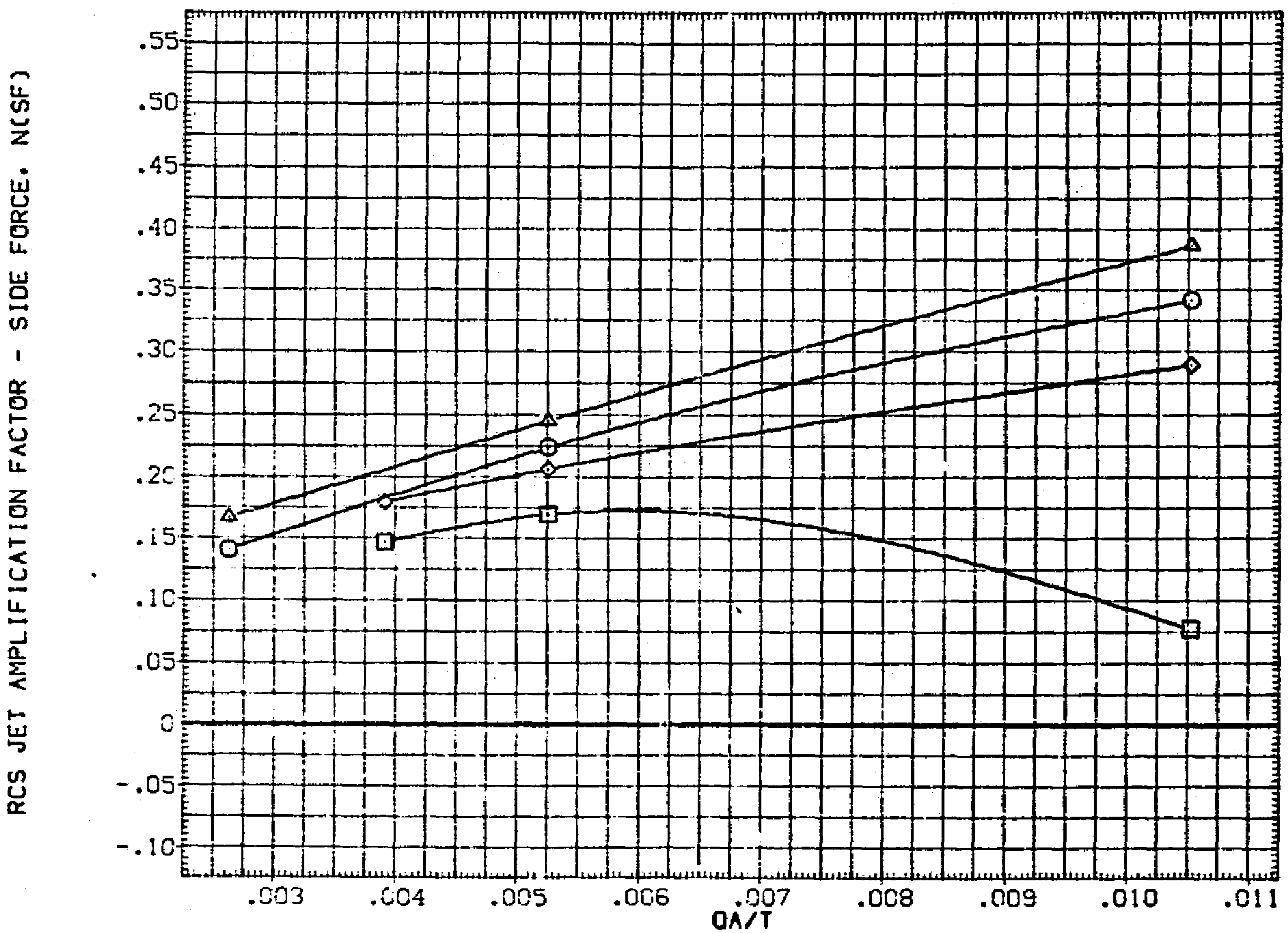

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(C)ALPHA = -4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

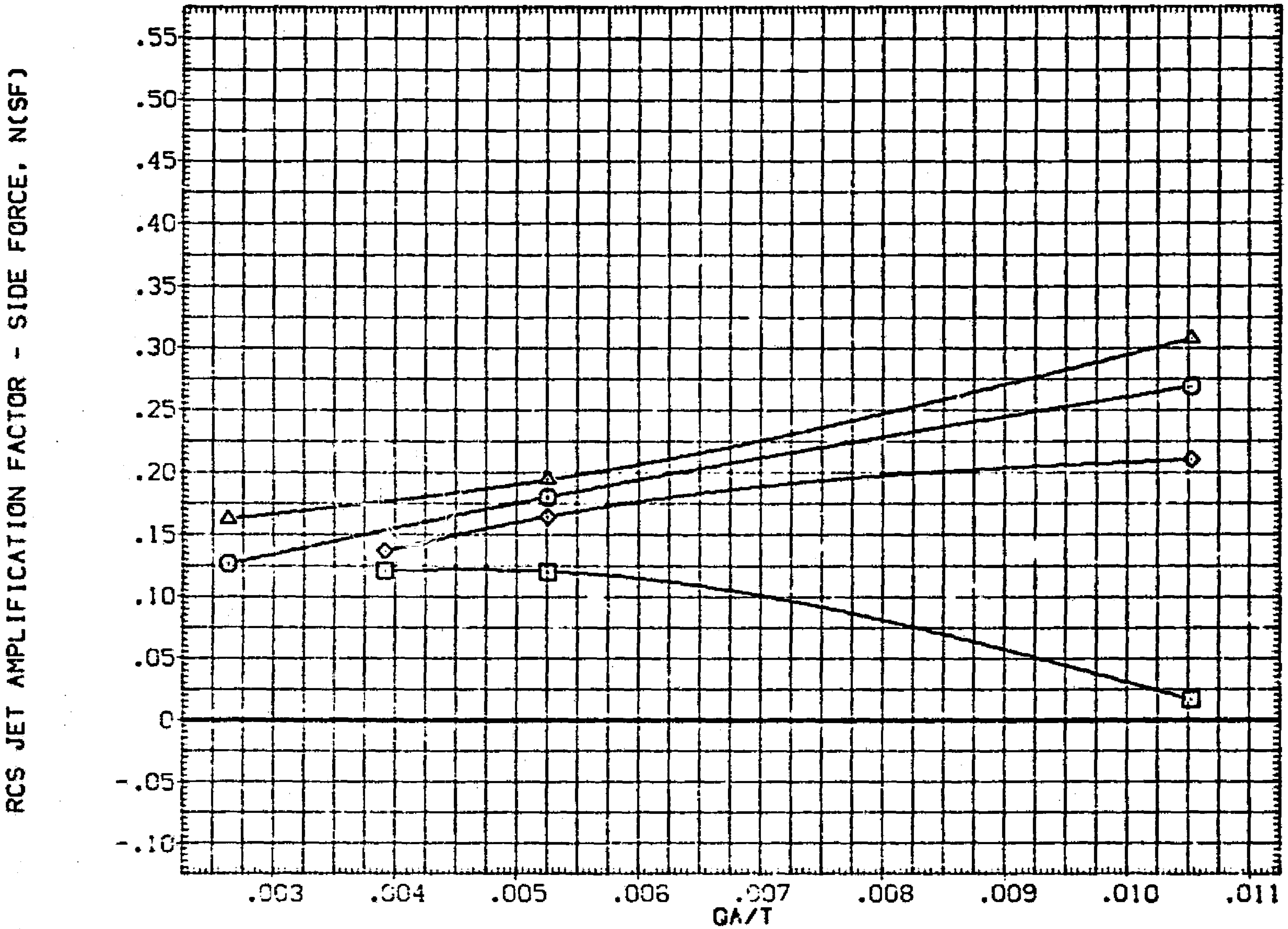

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(D)ALPHA = -2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

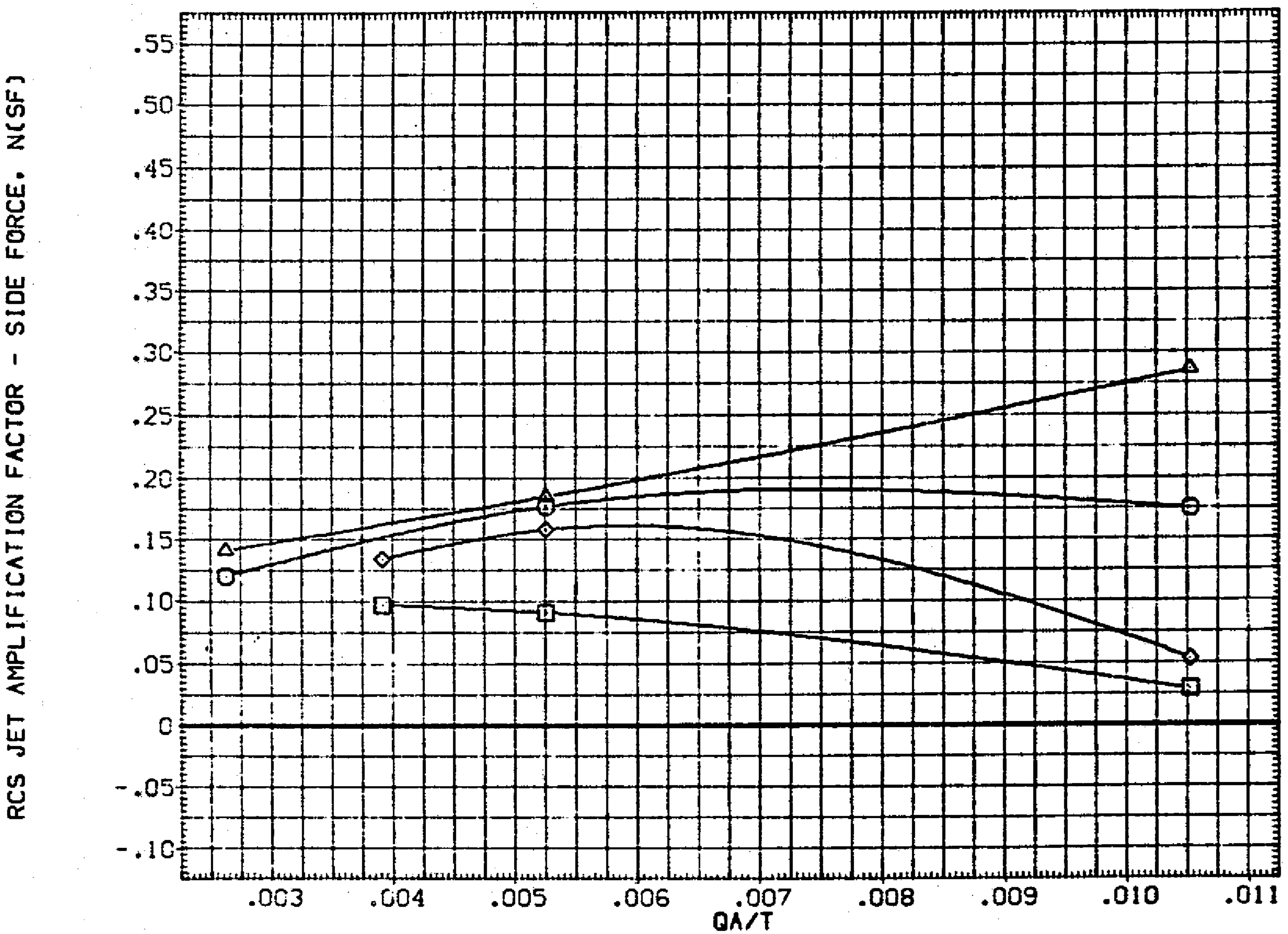

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(E)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

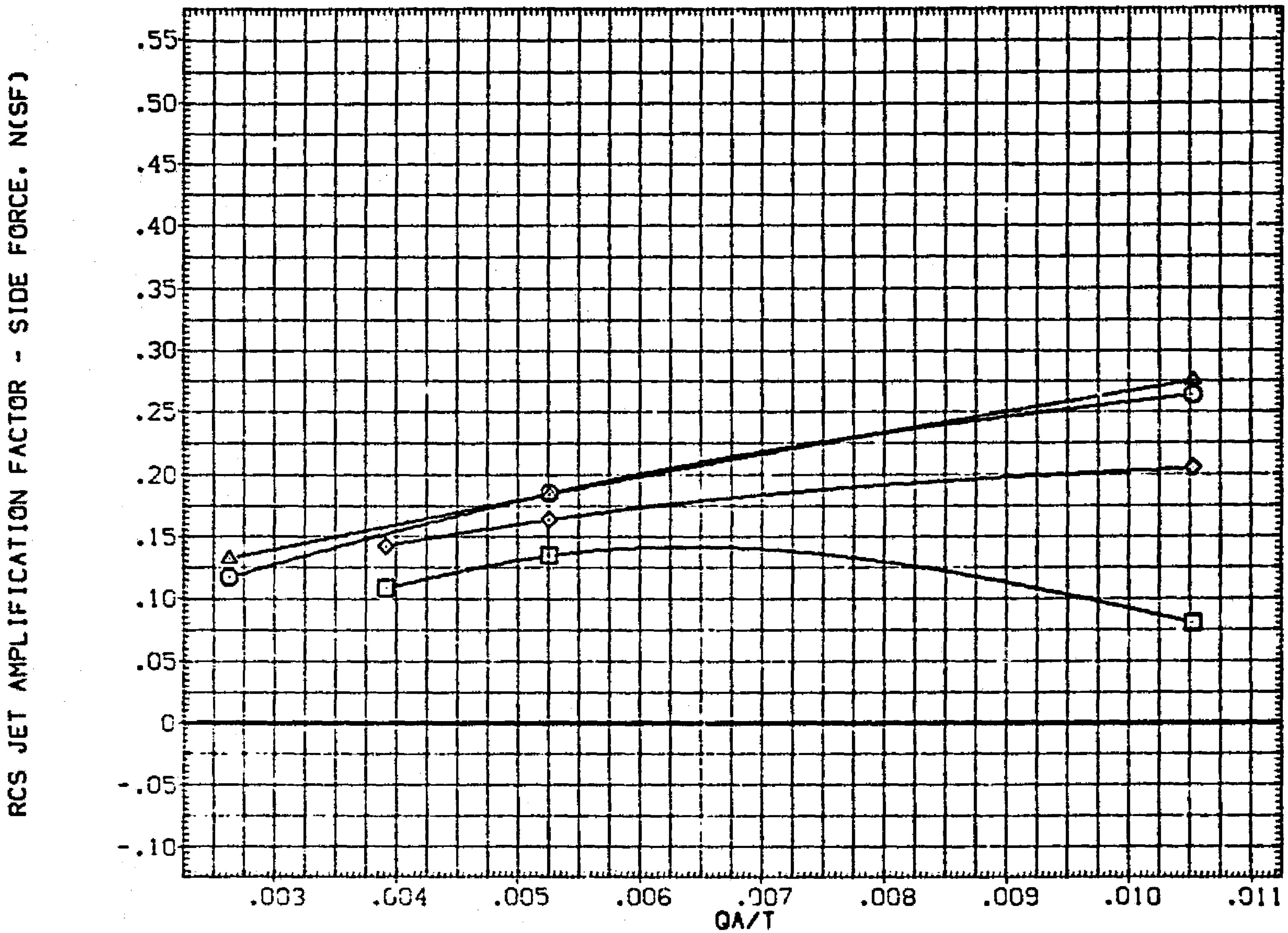

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(F)ALPHA = 2.00

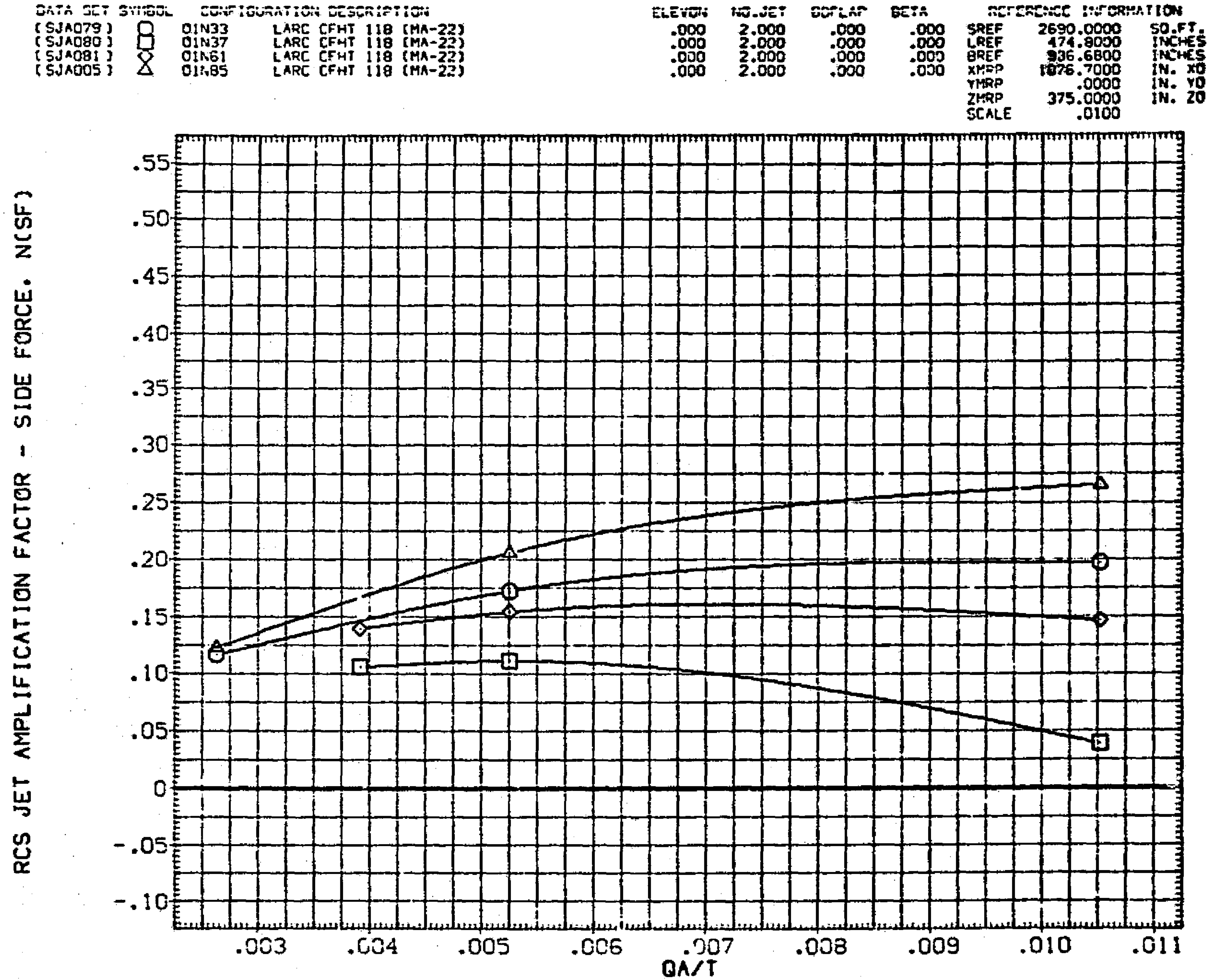

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(G)ALPHA = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

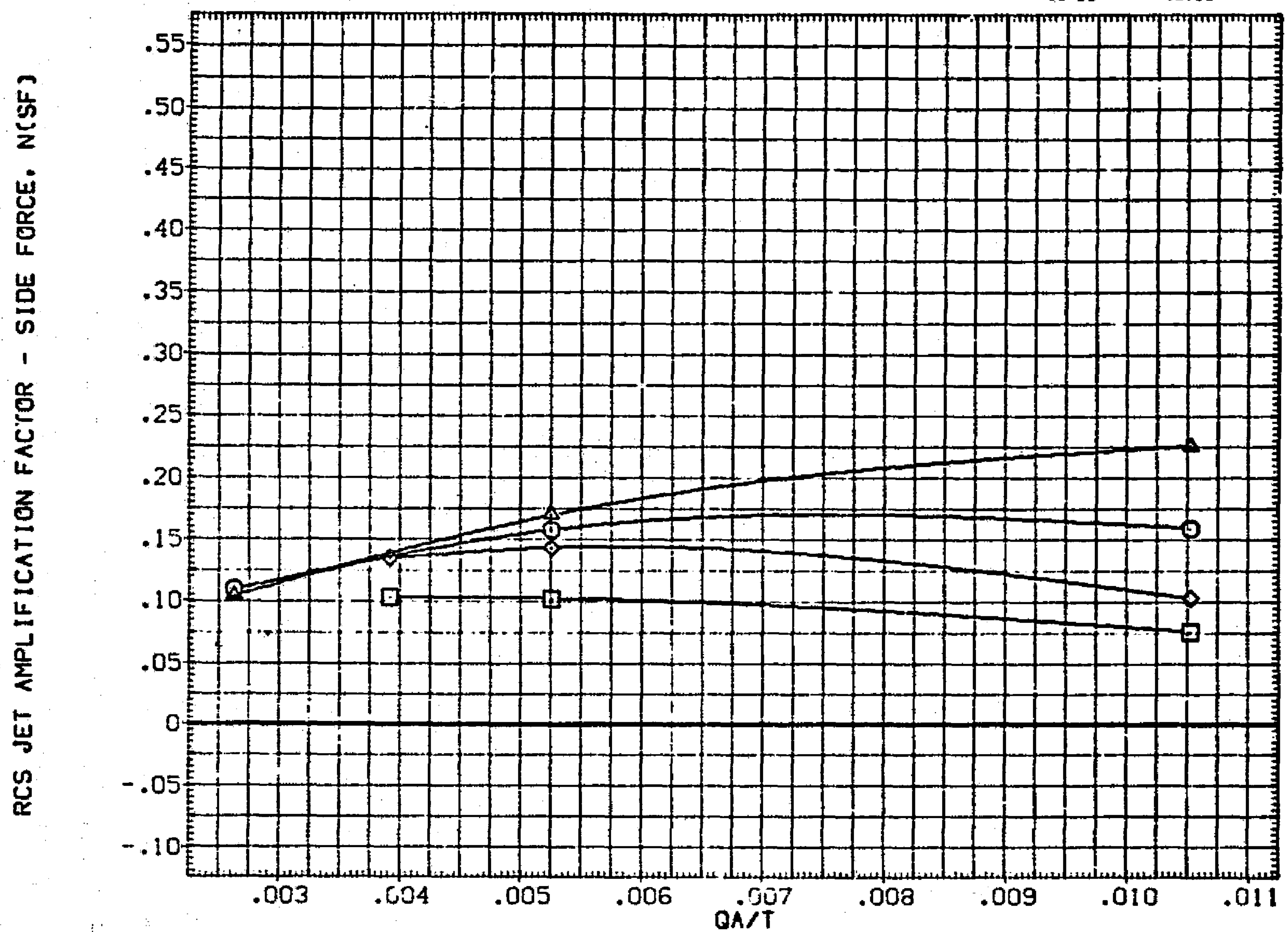

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(H)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N3?	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

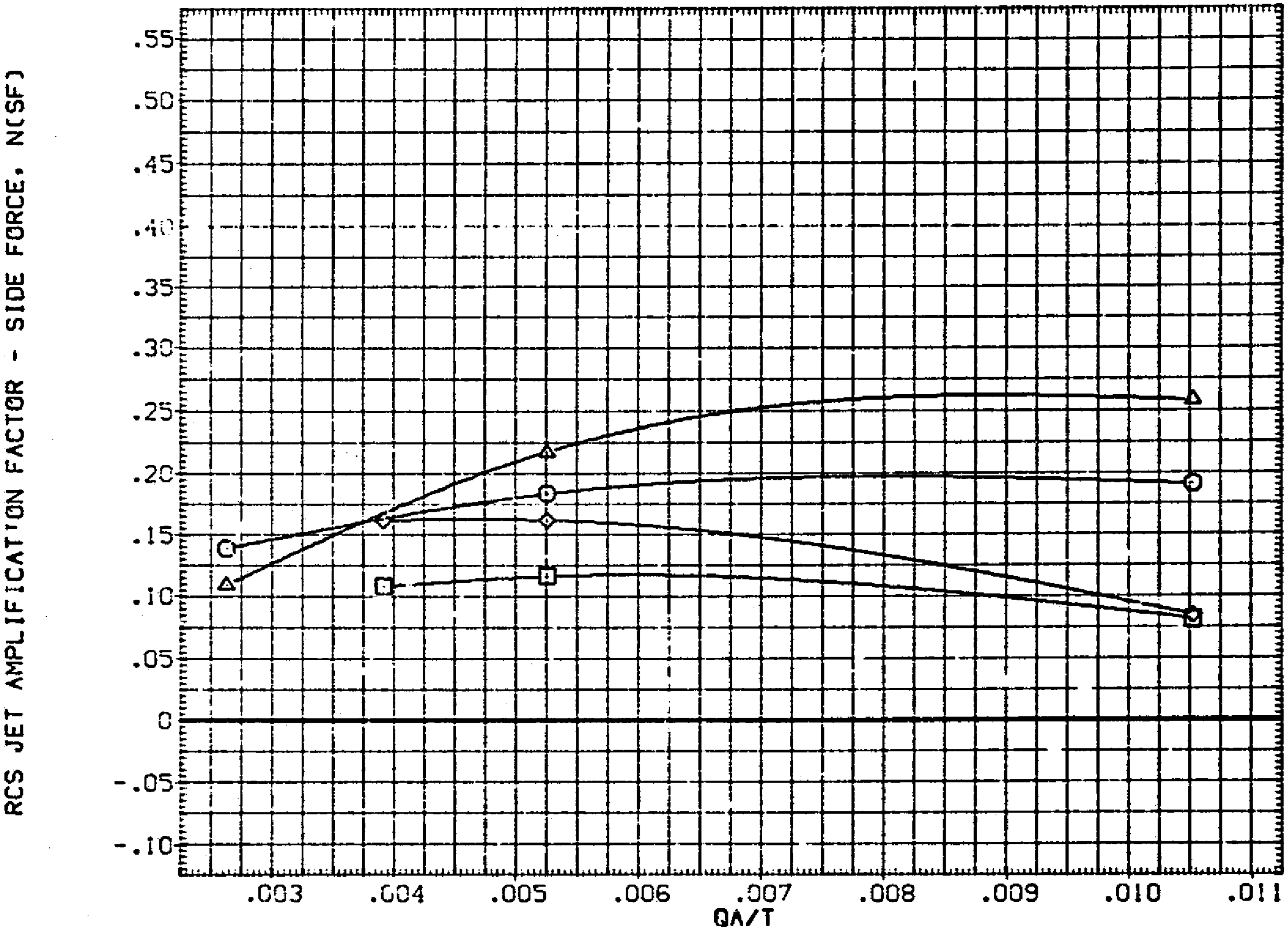

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

( )ALPHA = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

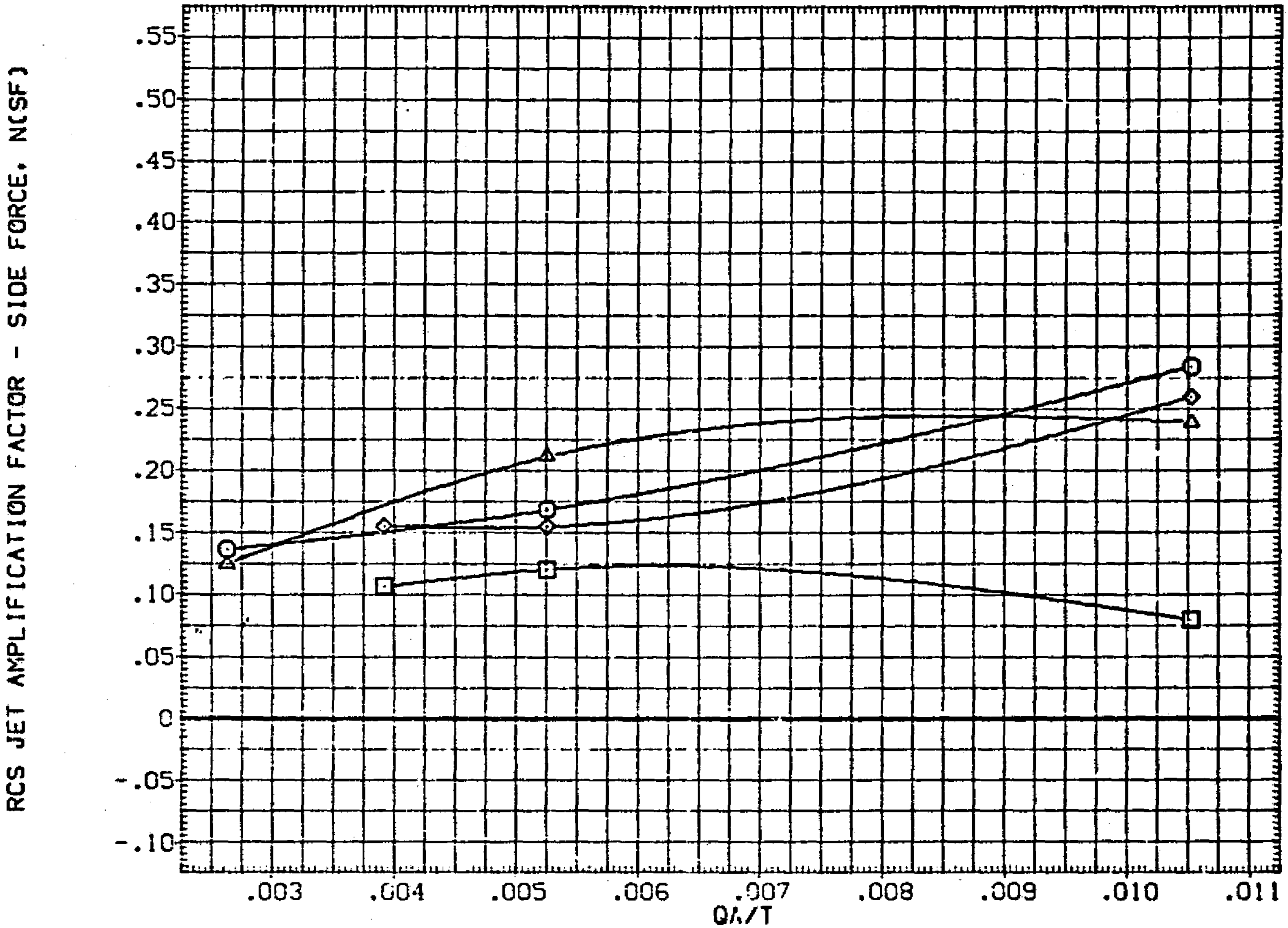

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(J)ALPHA = 10.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

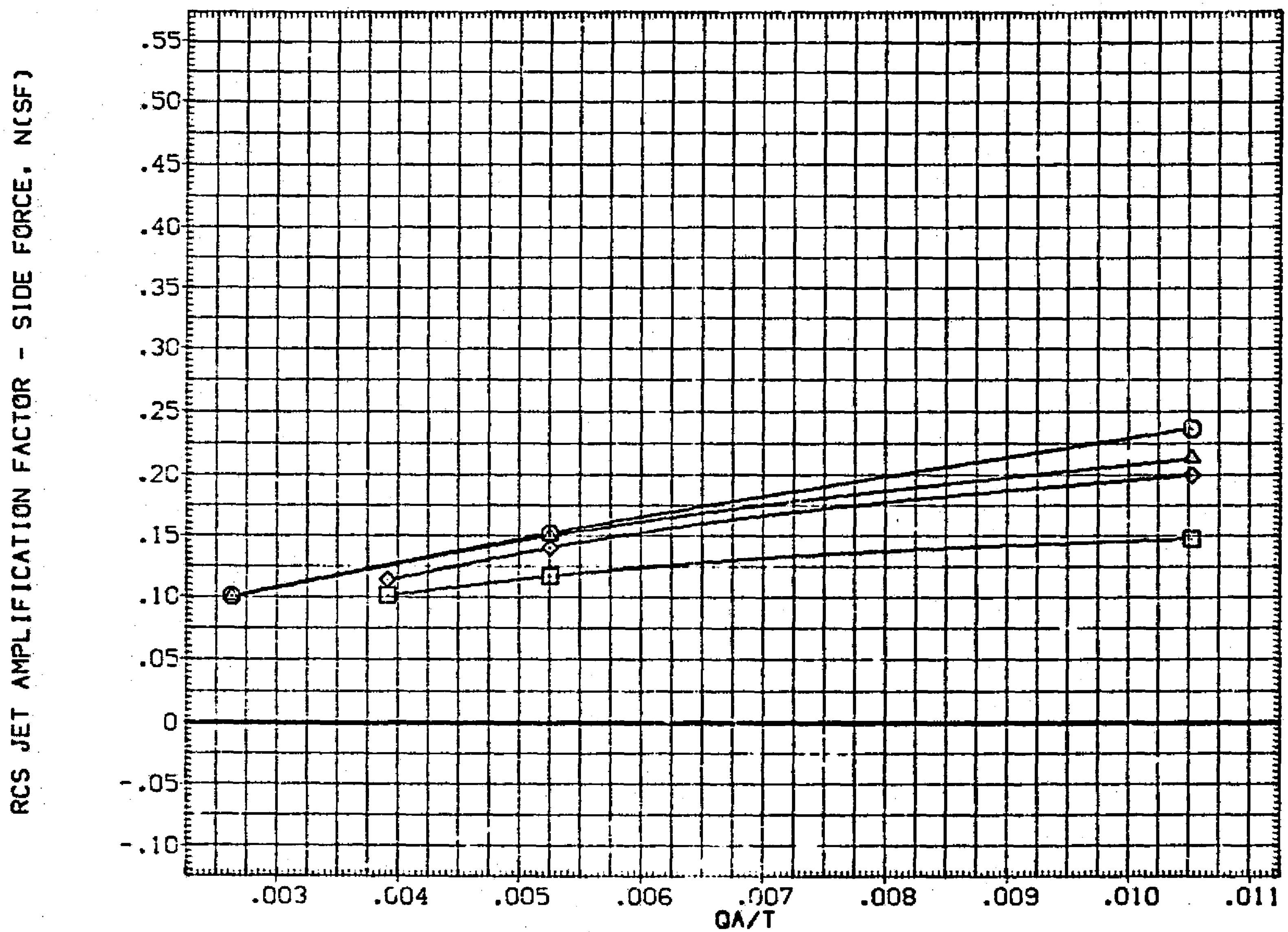

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(K)ALPHA = 15.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

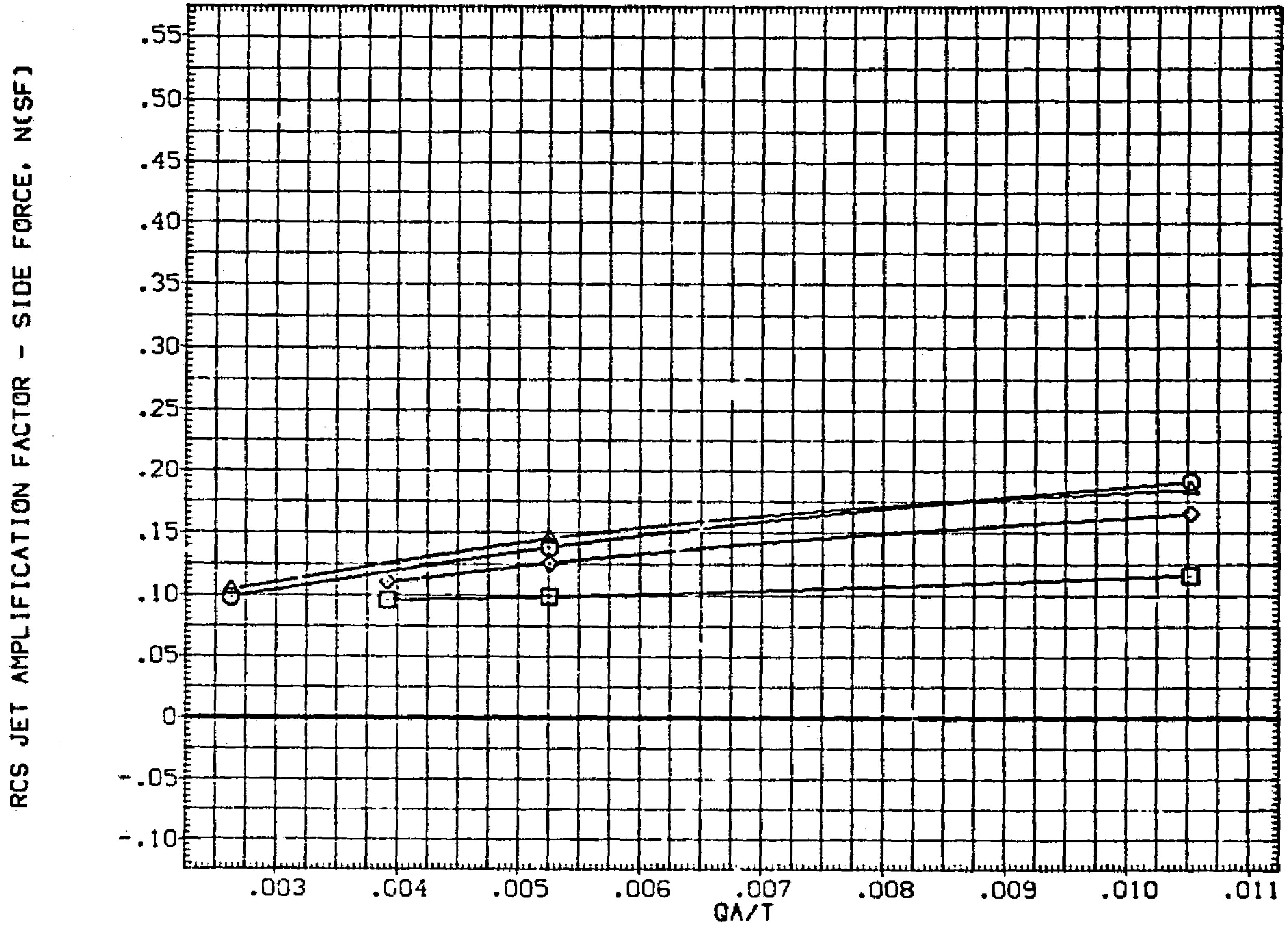

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(L)ALPHA = 20.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

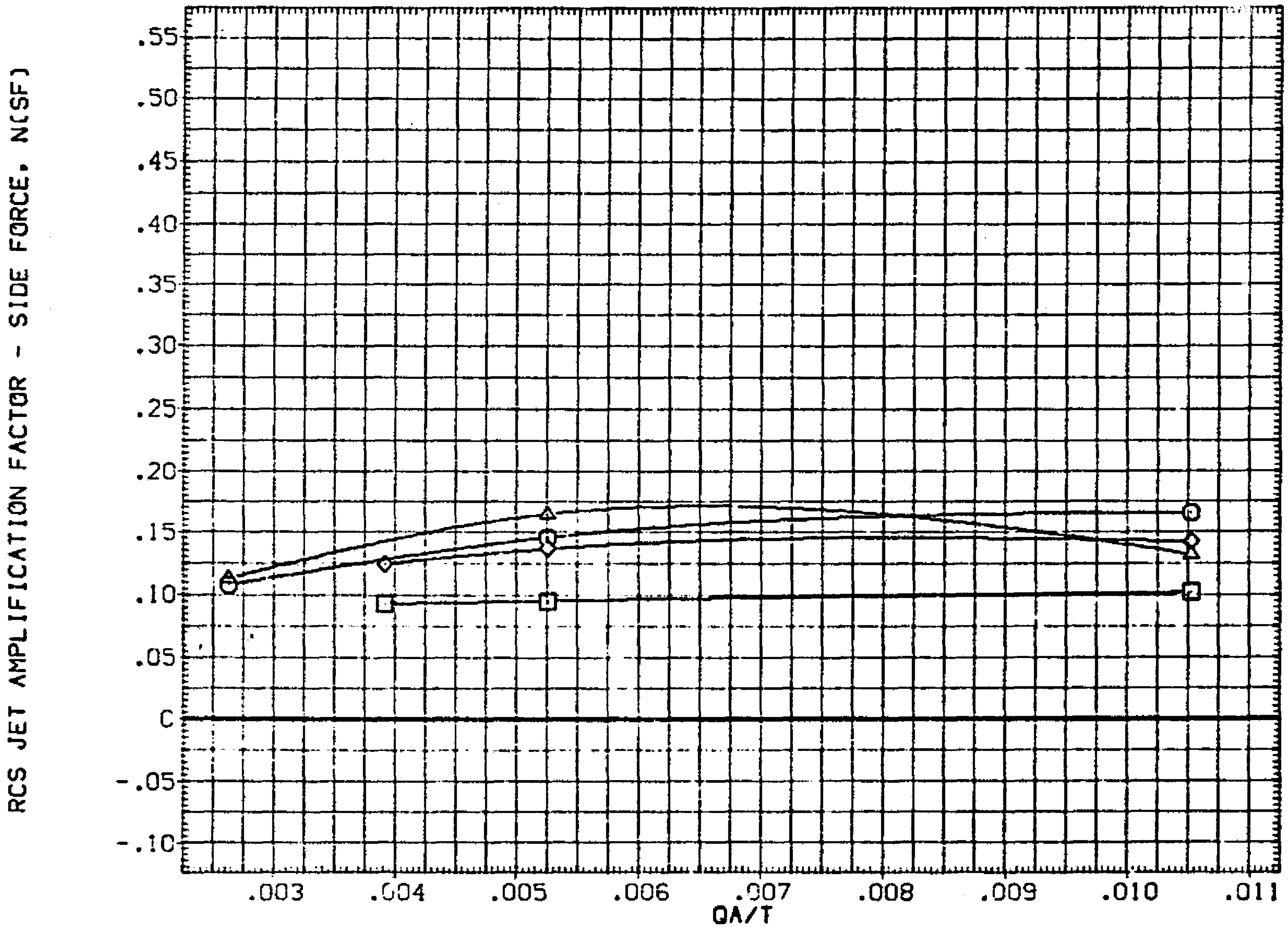

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(M)ALPHA = 25.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	DDFLAP	BETA
(SJA079)	O	01N33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	01N37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	01N61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	01N85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

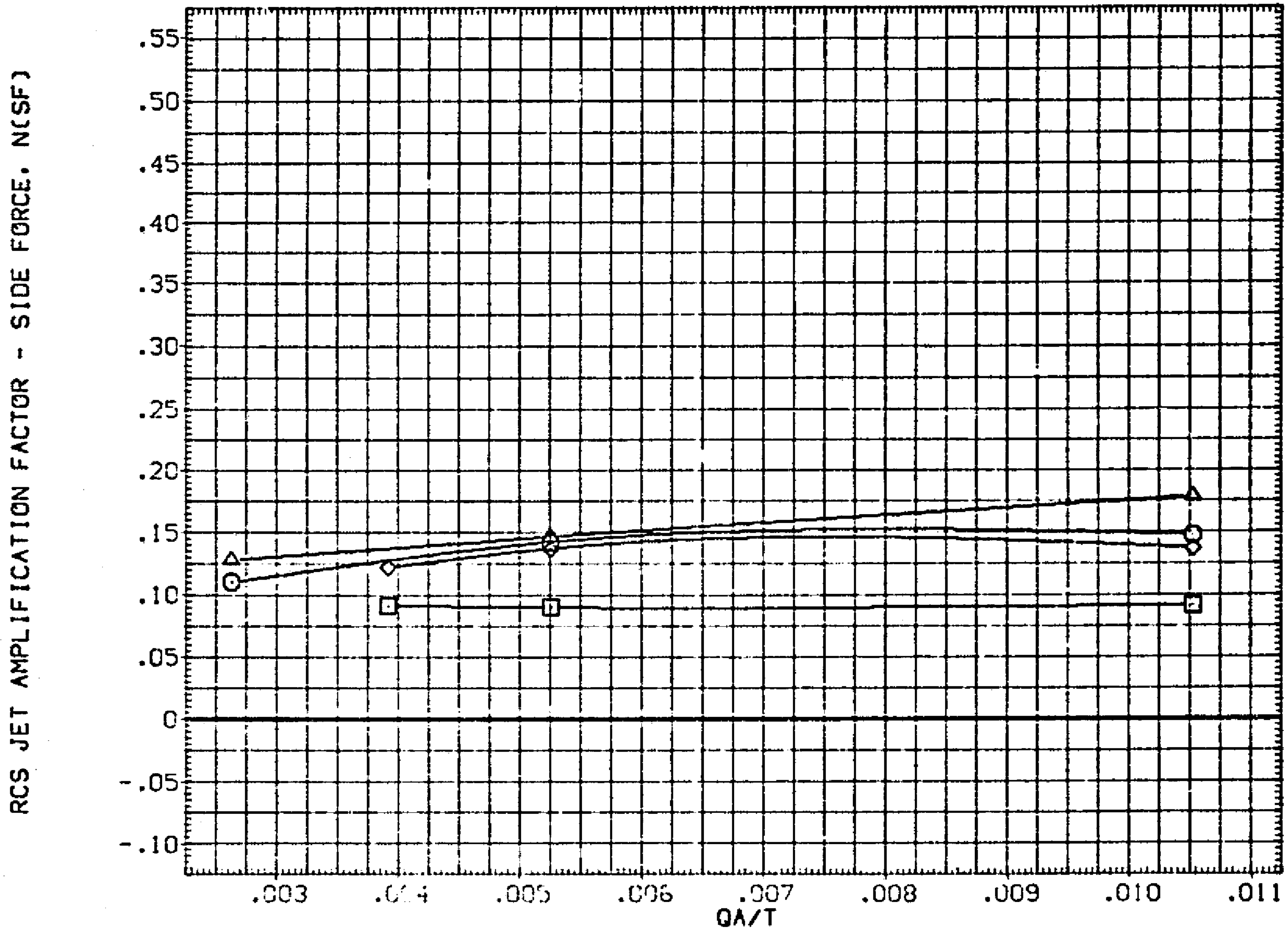

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(N)ALPHA = 30.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ELEVON	NO.JET	BDFLAP	BETA
(SJA079)	○	0IN33	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA080)	□	0IN37	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA081)	◇	0IN61	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000
(SJA005)	△	0IN85	LARC CFHT 118 (MA-22)	.000	2.000	.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0100	

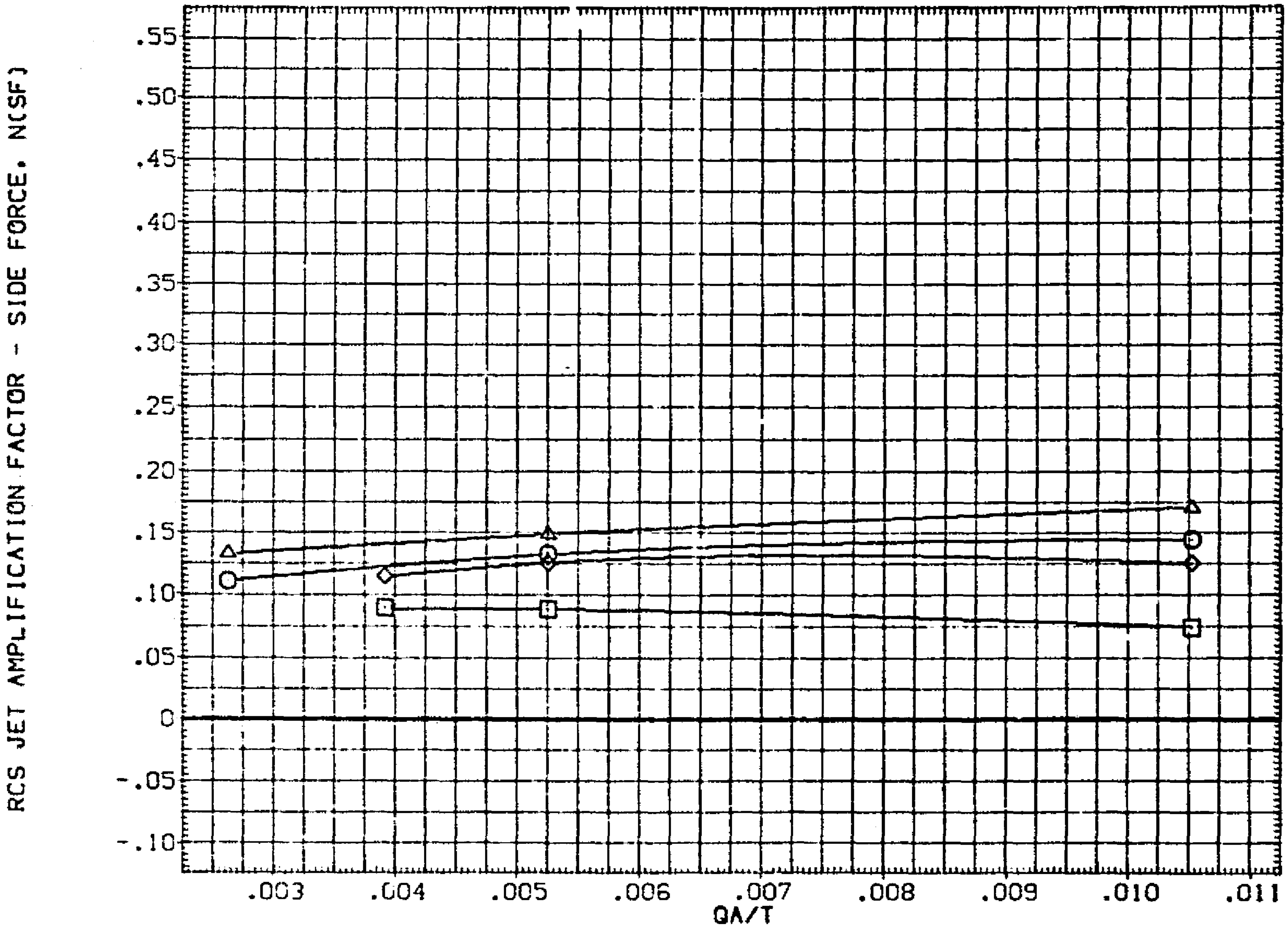

FIGURE 95. AREA RATIO EFFECTS, L/H SIDE FIRING JETS

(C)ALPHA = 35.00